

**TOWN OF WELLESLEY  
FACILITIES MAINTENANCE DEPARTMENT**

***CONTRACT FOR TOWN BUILDINGS***

**PROJECT MANUAL:**

**POLICE FINGERPRINT STATION PROJECT**

**INVITATION FOR BID #WFMD-FY15-008**

**Pre-Bid Meeting Date: January 6, 2015 at 1:00 p.m.**

**Bid Opening Date: January 15, 2015 at 11:00 a.m.**

**Design Documents Prepared By:  
Facilities Maintenance Department  
Contact: Joseph Murray (781) 446-6210 X5632**



**December 17, 2014**

**Hans Larsen, Executive Director**

## **PROJECT DIRECTORY**

### **OWNER**

Town of Wellesley  
Facilities Maintenance Department  
40 Kingsbury Street  
Wellesley, MA 02481  
Project Manager: Joseph Murray

### **BUILDING LOCATION**

Wellesley Police Station  
485 Washington Street  
Wellesley MA 02481

### **ARCHITECT/ENGINEER**

Joseph Rizza  
Courtstreet Architects, Inc.  
285 Parker Street  
Newton Centre, MA 02459

**TOWN OF WELLESLEY**  
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**TOWN OF WELLESLEY  
FACILITIES MAINTENANCE DEPARTMENT  
INVITATION FOR BID #WFMD-FY15-008**

The Town of Wellesley (Town) invites sealed bids from Contractors for:

**WFMD-FY15-008 – POLICE FINGERPRINT STATION PROJECT**

A Mandatory Pre-bid meeting will be held on site at: January 6, 2015 at 1:00 p.m., at the Wellesley Police Station, 485 Washington Street, Wellesley, Massachusetts 02481

**Bids will be received until: 11:00 a.m., Thursday, January 15, 2015** at the Facilities Maintenance Department, 40 Kingsbury Street, Wellesley, MA 02481. Immediately following the deadline for bids, all bids received within the time specified will be publicly opened and read aloud.

Work under this contract shall consist of: The scope of work shall include modifications of an existing stairway including installation of a door, selective demolition, and other related work at the Wellesley Police Station.

The estimated value of the project is \$95,000. Work Shall be completed within 57 calendar days from the Notice to Proceed, but not later than April 7, 2015.

Contract Documents will be available **online at the FMD's website:** [http://wellesleyma.gov/Pages/WellesleyMA\\_Facilities/Bids](http://wellesleyma.gov/Pages/WellesleyMA_Facilities/Bids) or available for pickup at the Facilities Maintenance Department after: **10:00 a.m., Wednesday, December 17, 2014.** There will be no charge for contract documents.

Award will be made to the bidder with the lowest total contract price, including any accepted alternates, that has been deemed responsible and eligible. **All bids shall be submitted as one ORIGINAL and one COPY.**

All bids must be accompanied by a bid deposit in an amount that is not less than five percent (5%) of the value of the bid. Bid deposits, payable to the Town of Wellesley, shall be either in the form of a bid bond, a certified check, or a treasurer's or cashier's check issued by a responsible bank or trust company. Cash will not be accepted.

All bids are subject to the provisions of M.G.L. c149, §§44 A to 44J. Wages are subject to minimum wage rates determined by the Massachusetts Department of Labor Standards pursuant to M.G.L. c149, §§26 to 27H. The schedule of wage rates applicable to this contract is included in the bidding documents. In addition, the prevailing wage schedule will be updated annually for all public construction projects lasting longer than one (1) year. You will be required to pay the rates set out in any updated prevailing wage schedule. Increases in prevailing wage schedules will not be the basis for change order requests. The successful bidder will be required to provide a Certificate of Insurance demonstrating current coverage of the type and amounts set forth in the Project Manual. The successful bidder will be required to furnish a **Performance Bond and Materials Payment Bond in the amount of 50%** of the contract total.

Pursuant to the Construction Reform Law, Chapter 193 of the Acts of 2004, and the revisions it made to M.G.L. c. 23A, §44 and M.G.L. c. 7, §40N, Minority Business Enterprise (MBE) and Women Business Enterprise (WBE) goals apply to construction procurement. Bidder's attention is directed to DCAM requirements for MBE/WBE participation. Current Affirmative Marketing Goals developed by the Division of Capital Asset Management (DCAM) in consultation with SOMWBA as follows: **Construction Participation: MBEs (7.4%) and WBEs (4.0%)**

It is the sole responsibility of the contractor downloading these bids to ensure they have received any and all addenda prior to the bid opening. Addendas will be available online. If you download bid documents from the FMD's internet website [http://www.wellesleyma.gov/Pages/WellesleyMA\\_Facilities/bids](http://www.wellesleyma.gov/Pages/WellesleyMA_Facilities/bids) and would like to make it known that your company has done so, email [dgaripey@wellesleyma.gov](mailto:dgaripey@wellesleyma.gov) with your company's NAME, ADDRESS, PHONE, FAX AND INVITATION FOR BID NUMBER, so that we may add you to the Bidders List and you will be notified of any/all addendum/a.

The Town will reject any and all bids in accordance with the above referenced General Laws. In addition, the Town reserves the right to waive any informalities in any or all bids, or to reject any or all bids (in whole or in part) if it be in the public interest to do so.

TOWN OF WELLESLEY  
Hans Larsen  
*Executive Director/Chief Procurement Officer*  
December 17, 2014

**TOWN OF WELLESLEY  
FACILITIES MAINTENANCE DEPARTMENT  
INSTRUCTIONS TO BIDDERS**

**ARTICLE 1 - BIDDER'S REPRESENTATION**

- 1.1 Each General Bidder (hereinafter called the "Bidder") by making a bid (hereinafter called "bid") represents that:
1. The Bidder has read and understands the Contract Documents and the bid is made in accordance therewith.
  2. The Bidder has visited the work site and is familiar with the local conditions under which the work has to be performed.
- 1.2 Failure to so examine the Contract Documents and work site will not relieve any Bidder from any obligation under the bid as submitted.

**ARTICLE 2 - REQUEST FOR INTERPRETATION**

- 2.1 Bidders shall promptly notify the Town of any ambiguity, inconsistency, or error which they may discover upon examination of the Contract Documents, the site, and local conditions. Failure to so notify Town shall constitute waiver of Contractor's right to recover costs that may result from such ambiguity, inconsistency or error.
- 2.2 Bidders requiring clarification or interpretation of the Contract Documents shall make a written request to the *Director of the Facilities Maintenance Department (FMD)*, at (781) 446-6210 or via facsimile (781) 446-6207. The Town will only answer such requests if received by Friday, January 9, 2015 by 4:00 p.m.
- 2.3 Interpretation, correction, or change in the Contract Documents will be made by addenda which will become part of the Contract Documents. The Town will not be held accountable for any oral communication.
- 2.4 Addenda will be emailed to every individual or firm on record as having taken a set of Contract Documents.
- 2.5 Copies of addenda will be made available for inspection at the location listed in the Invitation for Bids where Contract Documents are on file, in addition to being available online at [http://www.wellesleyma.gov/Pages/WellesleyMA\\_Facilities/bids](http://www.wellesleyma.gov/Pages/WellesleyMA_Facilities/bids)
- 2.6 Bidders or proposers contacting ANY TOWN EMPLOYEE regarding an Invitation for Bid (IFB) or a Request for Proposal (RFP), outside of the Facilities Maintenance Department, once an IFB or RFP has been released, may be disqualified from the procurement process.
- 2.7 Bidders downloading information off the internet web site are solely responsible for obtaining any addenda prior to the bid opening. If the bidder makes itself known to the Facilities Maintenance Department, at (781) 446-6210 x5616 or via facsimile (781) 446-6207, its name shall be placed on the bidder's list. Bidders must provide the Facilities Maintenance Department with their company's name, street address, Town, state, zip, phone, fax, email address and **INVITATION FOR BID #WFMD-FY15-008.**

**ARTICLE 3 – PREBID MEETING**

- 3.1 *Attendance at the Pre-Bid Meeting is mandatory, and it shall be a condition for submitting a bid, and the Town will not accept bids from bidders that have not attended the Pre-Bid Meeting.*

## ARTICLE 4 - PREPARATION AND SUBMISSION OF BIDS

- 4.1 Bids shall be submitted on the "Bid Form" as appropriate, furnished by the Town
- 4.2 All entries on the Bid Form shall be made by typewriter or in ink.
- 4.3 Where so indicated on the Bid Form, sums shall be expressed in both words and figures. Where there is a discrepancy between the bid sum expressed in words and the bid sum expressed in figures, the words shall control.
- 4.4 Bid Deposits shall be submitted in the amount specified in the Invitation for Bids. They shall be made payable to the Town and shall be either in the form of certified check, treasurer's or cashier's check issued by a responsible bank or trust company, or a bid bond issued by a surety licensed to do business in the Commonwealth of Massachusetts; and shall be conditioned upon the faithful performance by the principal of the agreements contained in the bid. Cash will not be accepted.
- Bid deposits of the three (3) lowest responsible and eligible Bidders shall be retained until the execution and delivery of the Owner/Contractor agreement.
- 4.5 The Bid, including the bid deposit shall be enclosed in a sealed, opaque envelope with the following plainly marked on the outside:
- \* GENERAL BID FORM:
  - \* NAME OF PROJECT AND INVITATION NUMBER
  - \* BIDDER'S NAME, BUSINESS ADDRESS, AND PHONE NUMBER
- 4.6 Date and time for receipt of bids is set forth in the Invitation for Bids.
- 4.7 Timely delivery of a bid at the location designated shall be the full responsibility of the Bidder.
- 4.8 Bids shall be submitted with one **original** and one **copy**.
- 4.9 Be advised that Massachusetts law requires all employees who work on Massachusetts public works construction sites must have no less than 10 hours of OSHA-approved safety and health training. See Chapter 306 of the Acts of 2004, which became effective July 1, 2006.
1. This requirement will apply to any general bid or sub bid submitted.
  2. This law directs the Massachusetts Attorney General to restrain the award of construction contracts to any contractor who is in violation of this requirement and to restrain the performance of these contracts by non-complying contractors.
  3. The contractor and all subcontractors on this project will be required to provide certification of compliance with this requirement. Non-compliance with this law will disqualify you from bidding on public contracts.

## ARTICLE 5 - ALTERNATES

- 5.1 Each Bidder shall acknowledge alternates (if any) in Section C on the Bid Form.
- 5.2 In the event an alternate does not involve a change in the amount of the base bid, the Bidder shall so indicate by writing "No Change", or "N/C" or "0" in the space provided for that alternate.
- 5.3 Bidders shall enter on the Bid Form a single amount for each alternate which shall consist of the amount for work performed by the Contractor.
- 5.4 The low Bidder will be determined on the basis of the sum of the base bid and the accepted alternates.

## ARTICLE 6 - WITHDRAWAL OF BIDS

- 6.1 Any bid may be withdrawn prior to the time designated for receipt of bids on written or telegraphic request. Telephone or facsimile requests for withdrawal of bids must be confirmed over the Bidder's signature by written notice postmarked on or before the date and time set for receipt of bids.
- 6.2 Withdrawn bids may be resubmitted up to the time designated for the receipt of bids.
- 6.3 No bids may be withdrawn within thirty days, Saturdays, Sundays and legal holidays excluded, after the opening of the bids.

## ARTICLE 7 - CONTRACT AWARD

- 7.1 The Town will award the contract to the lowest eligible and responsible Bidder within thirty days, Saturdays, Sundays, and legal holidays excluded, after the opening of bids.
- 7.2 The Town reserves the right to waive any informalities in or to reject any or all Bids if it be in the public interest to do so.
- 7.3 The Town reserves the right to reject any bidder who has failed to pay any local taxes, fees, assessments, betterments, or any other municipal charge, unless the bidder has a pending abatement application or has entered into a payment agreement with the collector-treasurer.
- 7.4 As used herein, the term "lowest responsible and eligible Bidder" shall mean the Bidder (1) whose bid is the lowest of those bidders possessing the skill, ability and integrity necessary for the faithful performance of the work; (2) who has met all the requirements of the invitation for bids; (3) who shall certify that he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed in the work; (4) who, where the provisions of section eight B of chapter twenty-nine apply, shall have been determined to be qualified thereunder.
- 7.5 Subsequent to the award and within five (5) days, Saturday, Sundays and legal holidays excluded, after the prescribed forms are presented for signature, the successful Bidder shall execute and deliver to the Town a contract in the form included in the Contract Documents in such number of counterparts as the Town may require.
- 7.6 In the event that the Town receives low bids in identical amount from two or more responsive and responsible Bidders, the Town shall select the successful Bidder by a blind selection process such as flipping a coin or drawing names from a hat. The low Bidders who are under consideration will be invited to attend and observe the selection process.

## ARTICLE 8 - TAXES

- 8.1 The Bidder shall not include in this bid any tax imposed upon the sale or rental of tangible personal property in this Commonwealth, such as any and all building materials, supplies, services and equipment required to complete the work.
- 8.2 The Town is exempt from payment of the Massachusetts Sales Tax, and the Bidder shall not include any sales tax on its bid. The Town's exemption Number is E-046-001-343.

## ARTICLE 9 – MBE/WBE PARTICIPATION

- 9.1 Notice is hereby given that, pursuant to the Construction Reform Law, Chapter 193 of the Acts of 2004, and the revisions it made to M.G.L. c. 23A, §44 and M.G.L. c. 7, §40N, Minority Business Enterprise (MBE) and Women Business Enterprise (WBE) goals established by the Division of Capital Asset Management (DCAM) are applicable to this project. Current Affirmative Marketing Goals developed by the DCAM in consultation with SOMWBA are as follows: Construction Participation: MBEs (7.4%) and WBEs (4%).

## END OF SECTION

**TOWN OF WELLESLEY  
FACILITIES MAINTENANCE DEPARTMENT  
FORM FOR GENERAL BID #WFMD-FY15-008  
POLICE FINGERPRINT STATION PROJECT**

**TO THE AWARDING AUTHORITY:**

- A. The undersigned proposes to furnish all labor, materials, equipment and supervision required for the

**WFMD-FY15-008 - POLICE FINGERPRINT STATION PROJECT**

in Wellesley, Massachusetts in accordance with the accompanying drawings and specifications for the contract price specified below, subject to additions and deductions according to the terms of the specifications.

- B. This bid includes addenda number(s) \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,

- C. The proposed CONTRACT PRICE is:

TOTAL Dollars in Figures (\$\_\_\_\_\_)

TOTAL Dollars in words\_\_\_\_\_

COMPANY:\_\_\_\_\_

- D. The undersigned has completed and submits herewith the following documents:

- 1) Bidder's Qualifications and References Form, 2 pages
- 2) Certificate of Non-Collusion, 1 page
- 3) Signed Bid Form, 2 pages
- 4) A five percent (5%) bid deposit.

- E. Filed Sub-Bid Requirements – Not Applicable to this project.

- F. The undersigned agrees that, if s/he is selected as general contractor, s/he will within five days, Saturdays, Sundays and legal holidays excluded, after presentation thereof by the awarding authority, execute a contract in accordance with the terms of this bid and furnish a performance bond and also a labor and materials payment bond, each of a surety company qualified to do business under the laws of the commonwealth and satisfactory to the awarding authority and each in the sum of the contract price, the premiums for which are to be paid by the general contractor and are included in the contract price.

The undersigned hereby certifies: (1) s/he is able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the work and that s/he will comply fully with all laws and regulations applicable to awards made subject to M.G.L. c.30, §39M; (2) that all employees to be employed at the worksite will have successfully completed a course in construction safety and health approved by the United States Occupational Safety and Health Administration ("OSHA") that is at least 10 hours in duration at the time the employee begins work and who shall furnish documentation of successful completion of said course with the first certified payroll report for each employee; and (3) that all employees to be employed in the work subject to this bid have successfully completed a course in construction safety and health approved by the United States OSHA that is at least 10 hours in duration. The undersigned understands that any employee found on a worksite subject to this section without documentation of successful completion of a course in construction safety and health approved by the United States Occupational Safety and Health Administration that is at least 10 hours in duration shall be subject to immediate removal.



The undersigned further certifies that s/he intends to comply with applicable State requirements for minority/women business enterprises to further expand business opportunities for minority firms.

The undersigned further certifies under the penalties of perjury that this bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this subsection the word "person" shall mean any natural person, joint venture, partnership, corporation or other business or legal entity. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of M.G.L. c29, §29F or any other applicable debarment provisions of any other chapter of the General Laws or any rule or regulation promulgated thereunder.

\_\_\_\_\_  
(Date)

\_\_\_\_\_  
(Name of General Bidder)

\_\_\_\_\_  
(Authorized Signature)

\_\_\_\_\_  
(Printed Name and Title of Signatory)

\_\_\_\_\_  
(Business Address)

\_\_\_\_\_  
(Town, State Zip)

\_\_\_\_\_  
(E-mail address)

\_\_\_\_\_  
(Telephone) / (Fax)

\_\_\_\_\_  
(Federal Tax I.D. #)

**NOTE:** If the bidder is a corporation, indicate state of incorporation under signature, and affix corporate seal; if a partnership, give full names and residential addresses of all partners; and if an individual, give residential address if different from business address.

**END OF SECTION**

**TOWN OF WELLESLEY**  
**BIDDER'S QUALIFICATIONS AND REFERENCES FORM**

All questions must be answered, and the data given must be clear and comprehensive. Please type or print legibly. If necessary, add additional sheet for starred items. This information will be utilized by the Town for purposes of determining bidder responsiveness and responsibility with regard to the requirements and specifications of the Contract.

1. FIRM NAME: \_\_\_\_\_
2. WHEN ORGANIZED: \_\_\_\_\_
3. INCORPORATED? \_\_\_\_\_ YES \_\_\_\_\_ NO DATE AND STATE OF INCORPORATION: \_\_\_\_\_
4. IS YOUR BUSINESS A **MBE**? \_\_\_\_\_ YES \_\_\_\_\_ NO **WBE**? \_\_\_\_\_ YES \_\_\_\_\_ NO or **MWBE**? \_\_\_\_\_ YES \_\_\_\_\_ NO
- \* 5. LIST ALL CONTRACTS CURRENTLY ON HAND, SHOWING CONTRACT AMOUNT AND ANTICIPATED DATE OF COMPLETION:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- \* 6. HAVE YOU EVER FAILED TO COMPLETE A CONTRACT AWARDED TO YOU?  
\_\_\_\_\_ YES \_\_\_\_\_ NO  
IF YES, WHERE AND WHY?  
\_\_\_\_\_  
\_\_\_\_\_
- \* 7. HAVE YOU EVER DEFAULTED ON A CONTRACT? \_\_\_\_\_ YES \_\_\_\_\_ NO  
IF YES, PROVIDE DETAILS.  
\_\_\_\_\_  
\_\_\_\_\_
- \* 8. LIST YOUR VEHICLES/MAJOR PIECES OF EQUIPMENT AVAILABLE FOR THIS CONTRACT:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- \* 9. IN THE SPACES FOLLOWING, PROVIDE INFORMATION REGARDING CONTRACTS COMPLETED BY YOUR FIRM SIMILAR IN NATURE TO THE PROJECT BEING BID. A MINIMUM OF FOUR (4) CONTRACTS SHALL BE LISTED.  
  
PROJECT NAME: \_\_\_\_\_  
OWNER: \_\_\_\_\_  
TOWN/STATE: \_\_\_\_\_  
DOLLAR AMOUNT: \$ \_\_\_\_\_ COMPLETED: \_\_\_\_\_  
PUBLICLY BID? \_\_\_\_\_ YES \_\_\_\_\_ NO  
TYPE OF WORK?: \_\_\_\_\_  
CONTACT PERSON: \_\_\_\_\_ TELEPHONE #: (\_\_\_\_\_) \_\_\_\_\_  
CONTACT PERSON'S RELATION TO PROJECT?: \_\_\_\_\_  
(i.e., contract manager, purchasing agent, etc.)

PROJECT NAME: \_\_\_\_\_  
OWNER: \_\_\_\_\_  
TOWN/STATE: \_\_\_\_\_  
DOLLAR AMOUNT: \$ \_\_\_\_\_ COMPLETED: \_\_\_\_\_  
PUBLICLY BID? \_\_\_\_\_ YES \_\_\_\_\_ NO  
TYPE OF WORK?: \_\_\_\_\_  
CONTACT PERSON: \_\_\_\_\_ TELEPHONE #: (\_\_\_\_) \_\_\_\_\_  
CONTACT PERSON'S RELATION TO PROJECT?: \_\_\_\_\_  
(i.e., contract manager, purchasing agent, etc.)

PROJECT NAME: \_\_\_\_\_  
OWNER: \_\_\_\_\_  
TOWN/STATE: \_\_\_\_\_  
DOLLAR AMOUNT: \$ \_\_\_\_\_ COMPLETED: \_\_\_\_\_  
PUBLICLY BID? \_\_\_\_\_ YES \_\_\_\_\_ NO  
TYPE OF WORK?: \_\_\_\_\_  
CONTACT PERSON: \_\_\_\_\_ TELEPHONE #: (\_\_\_\_) \_\_\_\_\_  
CONTACT PERSON'S RELATION TO PROJECT?: \_\_\_\_\_  
(i.e., contract manager, purchasing agent, etc.)

PROJECT NAME: \_\_\_\_\_  
OWNER: \_\_\_\_\_  
TOWN/STATE: \_\_\_\_\_  
DOLLAR AMOUNT: \$ \_\_\_\_\_ COMPLETED: \_\_\_\_\_  
PUBLICLY BID? \_\_\_\_\_ YES \_\_\_\_\_ NO  
TYPE OF WORK?: \_\_\_\_\_  
CONTACT PERSON: \_\_\_\_\_ TELEPHONE #: (\_\_\_\_) \_\_\_\_\_  
CONTACT PERSON'S RELATION TO PROJECT?: \_\_\_\_\_  
(i.e., contract manager, purchasing agent, etc.)

10. The undersigned certifies that the information contained herein is complete and accurate and hereby authorizes and requests any person, firm, or corporation to furnish any information requested by the Town in verification of the recitals comprising this statement of Bidder's qualifications and experience.

DATE: \_\_\_\_\_ BIDDER: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

PRINTED NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

**END OF SECTION**

## CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word “person” shall mean any natural person, business, partnership, corporation, union, committee club, or other organization, entity, or group or individuals.

The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of Section twenty-nine F of chapter twenty-nine, or any other applicable debarment provision of any other chapter of the General Laws or any rule or regulation promulgated hereunder.

---

(Signature of Individual)

---

(Name of Business)

## CONTRACT FORMS

The forms are provided for informational purposes only.

The awarded bidder will be required to complete and submit the following documents in order to execute a contract pursuant to this bid.

**None of the following forms are required at the time of bid submittal.**

**TOWN - CONTRACTOR AGREEMENT**  
**CONTRACT NO. C-WFMD-FY15-008**

THIS AGREEMENT made this \_\_\_\_\_ day of \_\_\_\_\_ in the year Two Thousand and Fifteen by and between the TOWN OF WELLESLEY, a municipal corporation organized and existing under the laws of the Commonwealth of Massachusetts, hereinafter referred to as the TOWN, acting through its Chief Procurement Officer, but without personal liability to him, and

hereinafter referred to as the CONTRACTOR.

The parties hereto for the consideration hereinafter set forth agree as follows:

**ARTICLE 1. STATEMENT OF WORK.** The Contractor shall furnish all labor, materials, equipment and supervision and perform all work required in strict accordance with the Contract Documents for the following project:

**WFMD-FY15-008 - POLICE FINGERPRINT STATION PROJECT**

**ARTICLE 2. TIME OF COMPLETION.** The Contractor shall commence work under this Contract on the date specified in the written notice of the Town to proceed and **shall fully complete all work hereunder within the time (57 calendar days)** stated elsewhere in the contract documents. Contractor shall be substantially complete within 50 calendar days.

Contractor shall be liable for liquidated damages for failure to achieve substantial completion on time of \$ 200 a day for each calendar day after the substantial completion date. Liquidated damages are hereby agreed to be a reasonable pre-estimate of damages the Town will incur as a result of delayed substantial completion of the Work. Liquidated damages as herein provided shall not limit or reduce the Town's right to recover damages for breach of the Contract for reasons other than the Contractor's failure to obtain substantial completion in the time provided for in the Contract.

**ARTICLE 3. THE CONTRACT PRICE.** The Town shall pay the Contractor for the full and satisfactory performance of the Contract, in current funds the sum of:

\$ \_\_\_\_\_

**ARTICLE 4. CONTRACT DOCUMENTS.** The Contract Documents consist of the following documents which are either attached to this Agreement or are incorporated herein by reference:

- a. This TOWN-CONTRACTOR Agreement
- b. The Town's Invitation For Bid #WFMD-FY15-008 issued by the Facilities Maintenance Department;
- c. The Project Manual for POLICE FINGERPRINT STATION PROJECT including the Instructions to Bidders; General Conditions; Special Conditions; Wage Rate Requirements and Wage Rate Schedule(s) including any updated prevailing wage rate schedules if applicable; The Supplementary Special Conditions; General Requirements and Project Specifications; and Drawings, if included or referenced therein;
- d. Addenda Number(s) # \_\_\_\_\_
- e. The Bid Response of the CONTRACTOR submitted for this Project and accompanying documents and certifications;

- f. Certificate(s) of Insurance and surety bond(s) submitted by the CONTRACTOR in connection with this Project;
- g. Duly authorized and executed Amendments, Change Orders or Work Orders issued by the TOWN after execution of this TOWN-CONTRACTOR Agreement.

This TOWN-CONTRACTOR Agreement, together with the other documents enumerated in this Article, constitute the entire Agreement between the TOWN and the CONTRACTOR.

**ARTICLE 5. ALTERNATES.** The following Alternates have been accepted and their costs are included in the Contract Price stated in Article 3 of this Agreement:

Alternates:       N/A      

**ARTICLE 6. APPLICABLE STATUTES.** All applicable federal, state and local laws and regulations are incorporated herein by reference and the Contractor agrees to comply with same.

IN WITNESS WHEREOF, the parties have caused this instrument to be executed under seal the day and year first above written.

**CONTRACTOR**

**TOWN OF WELLESLEY**

By \_\_\_\_\_

By \_\_\_\_\_

Facilities Director

Print Name \_\_\_\_\_

Date \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

By \_\_\_\_\_

Chief Procurement Officer

*Affix Corporate Seal Here*

Date \_\_\_\_\_

Town funds are available in the following account: \_\_\_\_\_

I further certify that the Executive Director, or his designee, is authorized to execute contracts

By \_\_\_\_\_

*Financial Services Director*

Date \_\_\_\_\_

## CERTIFICATE OF AUTHORITY - CORPORATE

1. I hereby certify that I am the Clerk/Secretary of \_\_\_\_\_  
(Insert full name of Corporation)
2. corporation, and that \_\_\_\_\_  
(Insert the name of officer who signed the **contract and bonds**.)
3. is the duly elected \_\_\_\_\_  
(Insert the title of the officer in line 2)
4. of said corporation, and that on \_\_\_\_\_  
(Insert a date that is ***ON OR BEFORE*** the date the officer signed the **contract and bonds**.)

at a duly authorized meeting of the Board of Directors of said corporation, at which all the directors were present waived notice, it was voted that

5. \_\_\_\_\_ the \_\_\_\_\_  
(Insert **Name** from Line 2) (Insert **Title** from Line 3)

of this corporation be and hereby is authorized to execute contracts and bonds in the name and on behalf of said corporation, and affix its Corporate Seal thereto, and such execution of any contract of obligation in this corporation's name and on its behalf, with or without the Corporate Seal, shall be valid and binding upon this corporation; and that the above vote has not been amended or rescinded and remains in full force and effect as of the date set forth below.

6. ATTEST: \_\_\_\_\_  
(Signature of **Clerk or Secretary**)\*

7. Name: \_\_\_\_\_  
(Please print or type name in line 6)\*

*AFFIX CORPORATE SEAL HERE*

8. Date: \_\_\_\_\_  
(Insert a date that is ***ON OR AFTER*** the date the officer signed the **contract and bonds**.)

\* The name and signature inserted in lines 6 & 7 must be that of the Clerk or Secretary of the corporation.



## CERTIFICATION OF TAX COMPLIANCE

Pursuant to MG c. 62C, § 49A and requirements of the Town of Wellesley, the undersigned acting on behalf of the Contractor certifies under the penalties of perjury that the Contractor is in compliance with all laws of the Commonwealth relating to taxes including payment of all local taxes, fees, assessments, betterments and any other local or municipal charges (unless the Contractor has a pending abatement application or has entered into a payment agreement with the entity to which such charges were owed), reporting of employees and contractors, and withholding and remitting child support.\*

---

\*\*Signature of Individual  
or Corporate Contractor (Mandatory)

---

\*\*\* Contractor's Social Security Number  
(Voluntary) or Federal Identification Number

Print Name: \_\_\_\_\_

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Corporate Officer  
(Mandatory, if applicable)

Print Name: \_\_\_\_\_

\* The provision in this Certification relating to child support applies only when the Contractor is an individual.

\*\* Approval of a contract or other agreement will not be granted until the Town receives a signed copy of this Certification.

\*\*\* Your social security number may be furnished to the Massachusetts Department of Revenue to determine whether you have met tax filing or tax payment obligations. Providers who fail to correct their non-filing or delinquency will not have a contract or other agreement issued, renewed, or extended.

**TOWN OF WELLESLEY, MASSACHUSETTS  
PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_  
\_\_\_\_\_

(an individual, a partnership, a corporation)

organized under the laws of the State of \_\_\_\_\_

having a usual place of business in \_\_\_\_\_

as principal, and \_\_\_\_\_, a corporation, organized under the laws of the State of

\_\_\_\_\_ and having a usual place of business in \_\_\_\_\_, as Surety,

are holden and stand firmly bound and obligated unto the Town of Wellesley, Massachusetts, as Obligee, in the sum of:

\_\_\_\_\_

lawful money of the United States of America, to and for the true payment whereof we bind ourselves, and each of us, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said principal has by means of a written agreement dated: \_\_\_\_\_

entered into a contract with the said obligee for construction of \_\_\_\_\_

\_\_\_\_\_, a copy of which agreement is attached hereto and, by reference, made a part hereof.

NOW THEREFORE, THE CONDITION OF this obligation is such that if the said principal and all Sub-contractors under said contract shall well and truly keep and perform all the agreements, terms, and conditions of said contract on his part to be kept and performed and shall also timely pay for all labor performed and furnished, and for all materials used or employed in such construction, including lumber so employed which is not incorporated in the work, and for the rental or hire of vehicles, tools, and other appliances and equipment employed in such construction, then this obligation shall be void; otherwise it shall remain in full force and virtue. The foregoing to include any other purposes of items set out in, and to be subject to the provisions of Massachusetts General Laws (Ter. Ed.), chapter 149, Section 29, and chapter 30, Section 39A, as amended.

And the surety, for value received, hereby stipulates and agrees that no extension of time, or change in, alteration or addition to the terms of contract or to the work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligations on this bond and it does hereby waive notice of any such extension of time, change, alterations or additions to the terms of the contract or to the work or to the specifications.

PAYMENT BOND (Page 2 of 2)

IN WITNESS WHEREOF, we have hereunto set our hands and seals to \_\_\_\_\_ counterparts, this \_\_\_\_\_ day of \_\_\_\_\_ in the year 201\_\_.

\_\_\_\_\_  
Principal (Seal)

\_\_\_\_\_  
Principal (Seal)

\_\_\_\_\_  
Principal (Seal)

\_\_\_\_\_  
Principal (Seal)

\_\_\_\_\_  
Surety (Seal)

\_\_\_\_\_  
Surety (Seal)

NOTE: If the Contractor (Principal) is a partnership, the bond should be signed by each of the individuals who are partners. If the Contractor (Principal) is a corporation, the bond should be signed in its correct corporate name by a duly authorized officer, agent or attorney-in-fact.

There should be executed an appropriate number of counterparts of the Bond corresponding to the number of counterparts of the Contract.

Attach hereto certificate of authority for signature of Contractor (Principal) if a corporation, and certified copy of power of attorney for signature of Surety.

**WHERE SIGNATURES ARE REQUIRED ONLY ORIGINAL SIGNATURES SHALL BE ACCEPTABLE.**

**TOWN OF WELLESLEY, MASSACHUSETTS**

**PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS:

That we, \_\_\_\_\_ (an individual, a partnership, a corporation) organized under the laws of the State of \_\_\_\_\_, having a usual place of business in \_\_\_\_\_, as "Principal," and \_\_\_\_\_, a corporation, organized under the laws of the State of \_\_\_\_\_ and having a usual place of business in \_\_\_\_\_, as "Surety," are holden and stand firmly bound and obligated unto the Town of Wellesley, Massachusetts, as "Owner" or "Obligee" hereunder, in the sum of:

\_\_\_\_\_ lawful money of the United States of America, to and for the true payment whereof we bind ourselves, and each of us, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal has by means of a written agreement dated: \_\_\_\_\_, entered into a contract with the said Obligee for construction of \_\_\_\_\_, a copy of which contract is attached hereto and, by reference, made a part hereof.

NOW THEREFORE, THE CONDITION OF this obligation is such that if the said Principal and all Sub-contractors under said contract shall well and truly keep and perform all the agreements, terms, and conditions of said contract on his or its part to be kept and performed, and shall also timely pay for all labor performed and furnished, and for all materials used or employed in such contract, then this obligation shall be void; otherwise it shall remain in full force and virtue.

However, if and whenever the Principal shall be declared by the Owner to be in default under the said contract, the Surety shall promptly remedy the default, and promptly complete the contract in accordance with its terms and conditions. The Surety, for value received, hereby stipulated and agrees that no extension of time, or change in, alteration or addition to the terms of contract or to the work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligations on this bond, and it does hereby waive notice of any such extension of time, change, alterations or additions to the specifications.

IN WITNESS WHEREOF, we have hereunto set our hands and seals to \_\_\_\_\_ counterparts, this \_\_\_\_\_ day of \_\_\_\_\_ in the year 201\_\_.

\_\_\_\_\_  
Principal (Seal)

\_\_\_\_\_  
Principal (Seal)

\_\_\_\_\_  
Principal (Seal)

\_\_\_\_\_  
Principal (Seal)

\_\_\_\_\_  
Surety (Seal)

\_\_\_\_\_  
Surety (Seal)

NOTE: If the Contractor (Principal) is a partnership, the bond should be signed by each of the individuals who are partners.

If the Contractor (Principal) is a corporation, the bond should be signed in its correct corporate name by a duly authorized officer, agent or attorney-in-fact.

There should be executed an appropriate number of counterparts of the Bond corresponding to the number of counterparts of the Contract.

Attach hereto certificate of authority for signature of Contractor (Principal) if a corporation, and certified copy of power of attorney for signature of Surety.

**WHERE SIGNATURES ARE REQUIRED ONLY ORIGINAL SIGNATURES SHALL BE ACCEPTABLE.**

# **GENERAL CONDITIONS OF THE CONTRACT FOR NON-TECHNICAL SERVICES**

The Town of Wellesley, herein referred to as the Town, does hereby establish the following General Conditions, applicable to this Invitation for Bids and any subsequent purchase order, work order, or contract resulting therefrom.

## **1.0 SCOPE OF SERVICES**

- 1.1 The Contractor agrees to furnish all labor, materials, equipment and insurance necessary to perform and fully complete, in every respect, within the time frame herein specified, all work (hereinafter referred as the Services) described in the Project Manual.
- 1.2 The Contractor shall not make any changes in the scope of Services without the prior written consent of the Town. The Contractor shall make reasonable revisions or corrections, within the scope of Services, to any work performed until submitted in a form acceptable to the Town.
- 1.3 The Town reserves the right to alter, add to or reduce the Services by delivering to the Contractor written notice specifying the nature and extent of such alteration, addition or reduction. Such notice shall be effective upon the later of actual receipt by the Contractor or upon the date given in such notice. No addition to the Services shall be made unless the Town and the Contractor have agreed to such increase in writing.

## **2.0 CONTRACT TERM**

- 2.1 The obligations of the Contractor identified herein shall commence upon execution of the Town-Contractor Contract and shall continue in full force and effect for the duration of the contract term as identified in the Project Manual. The contractor shall commence the performance of services under this contract promptly upon receipt of the Town's Notice to Proceed letter in accordance with the provisions identified in the Project Manual.
- 2.2 In the event the term of this contract exceeds a period of one year and notwithstanding any provision to the contrary herein, the Town may cancel this contract in the event that funds are not appropriated or otherwise made available to support continuation of performance by the Contractor in any fiscal year succeeding the first year.

## **3.0 EXECUTION**

- 3.1 All work required hereunder shall be performed as promptly as possible, and in any event within the time herein set forth, and such work shall be subject to approval and acceptance by the Town, but such approval and acceptance shall not relieve the Contractor from the obligation to correct any incomplete, inaccurate or defective work, all of which shall be promptly remedied by the Contractor on demand, without cost to the Town. The Contractor shall obtain all the required licenses and permits for the work herein described.
- 3.2 The Contractor shall conform to all determinations and directions of the Town concerning the Contractor's delivery of services in the event of inclement weather, equipment failure, picket lines on Town property, or labor strikes by the contractor's employees.

## **4.0 COMPENSATION**

- 4.1 The Town shall pay the Contractor for services rendered under this contract in accordance with the amount(s) set forth in the Contractor's General Bid Form and pursuant to the provisions contained in the Project Manual.
- 4.2 Notwithstanding anything to the contrary contained in the Contract, the Town may withhold any payment to the Contractor hereunder if and for so long as the Contractor fails to perform any of its obligations hereunder or otherwise is in default under this Contract including, without limitation, any failure to perform Services in full accordance with the amount sufficient in the reasonable opinion of the Town to cure any such default or failure of performance by the Contractor.
- 4.3 In no event shall the Town be required to pay any amounts for work deemed by it to be unacceptable, or which are otherwise disputed. In the event the Town disputes any such amounts invoiced, it shall pay all amounts not in dispute and notify the Contractor in writing of the amounts disputed and the reasons therefor.

4.4 No payment made shall constitute or be construed as final acceptance or approval of that part of the Services to which payment relates, or relieve the Contractor of any of its obligations outlined in this Contract. Further, the Town shall not be deemed, by virtue of making payments to the Contractor hereunder, to have released the Contractor from any claim or liability, or to have waived any action arising out of the breach of this Contract by the Contractor.

4.5 Refer to the Special Conditions for additional payment requirements.

## 5.0 REPORTS AND DRAWINGS

5.1 When the Contractor has been paid for the Services performed by him or her, all reports, drawings, and other material furnished to the Town shall become the Town's property and may be used by the Town (or such parties as the Town may designate) thereafter in such manner and for such purposes as the Town (or such parties as the Town may designate) may deem advisable, without further employment of or additional compensation to the Contractor. The Contractor shall not release or disclose any report, drawing, or other material furnished to the Contractor by the Town in connection with the performance of the Contractor's Services.

## 6.0 CONTRACTOR'S ACCOUNTING RECORDS

6.1 The Contractor shall keep records pertaining to Services performed (including complete and detailed time records) on the basis of recognized bookkeeping practices, generally accepted accounting principles, and in accordance with such reasonable requirements to facilitate audit as the Town may provide. All records shall be available to the Town or its authorized representatives for review and audit during normal business hours.

## 7.0 ASSIGNMENT/SUBCONTRACTING

7.1 The Contractor agrees that he will not sell, assign or transfer this Contract or any part thereof or interest therein without the prior written consent of the Town. The Owner may, without consent of the Contractor, assign the Contract to a lender providing construction financing for the Project if the lender assumes the Owner's rights and obligations under the Contract Documents. The Contractor shall execute all consents reasonably required to facilitate such assignment.

## 8.0 REMEDY FOR DEFAULT

8.1 If the Contractor, in the sole judgment of the Town, violates or fails to properly comply with or perform in any material respect any condition, provision, or warranty hereof, the Town shall have the right, without prejudice to any other remedy the Owner may have, by prior written notice to the Contractor to have the services called for hereby otherwise performed, and/or to terminate this contract without prejudice to any other rights or remedies of the Town under this contract. Written notice shall be responded to by the Contractor within a ten-day period after receipt of such notice from the Owner. The Contractor shall pay any excess in the Town's cost to so procure the services and any related goods, supplies, materials or equipment. In addition, and without limiting any other remedies available to the Town, the Contractor shall be liable for all losses, costs and expenses incurred by the Town which result from the Contractor's noncompliance.

## 9.0 SUSPENSION OR TERMINATION

9.1 The Town shall have the right, upon seven (7) days written notice to the Contractor so stating, to terminate, suspend, or postpone this contract in whole or in part for any reason deemed by the Town to be in the public interest. Any such termination, suspension, or postponement shall not give rise to any cause of action for damages against the Town. In the event that the Town postpones or suspends the Services, the Contractor's time for performance of the Services shall be extended for a period equal to the period of such postponement or suspension. In the event of termination, suspension or postponement, the Town shall pay: (a) for services and any related goods, supplies, materials and equipment furnished up to the time of termination, suspension, or postponement at the contract price upon delivery; (b) for work in process in the amount of the Contractor's cost, determined in accordance with ordinary accepted accounting practices, up to the time of termination, suspension, or postponement; and (c) for raw materials purchased by the Contractor as of the date of termination, suspension, or postponement and which are noncancelable at the Contractor's actual cost plus reasonable handling charges, but only to the extent that such raw materials were purchased in reliance upon this contract and are useful solely with respect to this contract.

- 9.2 Upon receipt of a notice of termination, suspension, or postponement the Contractor shall immediately cease all work hereunder and cancel all orders placed with respect to this contract. The Contractor's failure to so cancel shall relieve the Town of the obligations of paragraph 9.1 above.
- 9.3 The Town may postpone, suspend or terminate the Services immediately, by notice, hand delivery or certified mail, if the Contractor violates any of the provisions of this Contract, or fails to perform or observe any of the terms, covenants or conditions of this Contract, or abandons in whole or in part its Services, or becomes unable to perform its Services. The Owner may terminate the Contract if the Contractor:
- a. refuses or fails to supply enough properly skilled workers or proper materials;
  - b. fails to make payment to Subcontractors for materials or labor in accordance with the respective agreements between the Contractor and the Subcontractors;
  - c. disregards applicable laws, statutes, ordinances, codes, rules and regulations or lawful orders of a public authority; or
  - d. otherwise is guilty of substantial breach of a provision of the Contract Documents.
  - e. otherwise fails to furnish the Town with assurances satisfactory to the Town evidencing the Contractor's ability to complete the work in compliance with all the requirements of the Contract Documents.
- 9.4 In the event of termination of this Contract, the Contractor shall promptly deliver to the Town all documents, work papers, calculations, computer programs, data, drawings, plans, and other tangible work product, or materials pertaining to the Services performed under this Contract to the time of termination.

## 10.0 NOTICE

- 10.1 Any action, notice or request required to be taken, given or made by Town or the Contractor hereunder may be taken, given or made only by those persons identified for that purpose on the Contract Form. All notices required to be given hereunder shall be deemed properly given if personally delivered, or if mailed by registered or certified mail, postage prepaid addressed to the address and officer identified on the Contract Form.

## 11.0 PROTECTION OF PERSONS AND PROPERTY

- 11.1 The Contractor shall take all reasonable precautions to prevent damage to property, visible and concealed, and shall restore to substantially the same condition existing prior to the Contractor's entry any disturbance or damage to property caused by the Contractor or any person acting under its control. The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the Contract. The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to:
- a. employees on the Work and other persons who may be affected thereby;
  - b. the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody or control of the Contractor or the Contractor's Subcontractors or Sub-subcontractors; and
  - c. other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction.
- 11.2 The Contractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities bearing on safety of persons and property and their protection from damage, injury or loss. The Contractor shall promptly remedy damage and loss to property caused in whole or in part by the Contractor, a Subcontractor, a sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under Sections 11.2 and 11.3, except for damage or loss attributable to acts or omissions of the Owner or Architect or by anyone for whose acts either of them may be liable, and not attributable to the fault or negligence of the Contractor.

## 12.0 INSURANCE REQUIREMENTS

- 12.1 The Contractor shall provide insurance coverage as listed below. This insurance shall be provided at the Contractor's expense and shall be in full force and effect during the full term of this Contract.

General Liability of at least \$1,000,000 Bodily Injury and Property Damage Liability per occurrence, Combined Single Limit with a \$3,000,000 Annual Aggregate Limit.



Automobile Liability (applicable for any contractor who has an automobile operating exposure) of at least \$1,000,000 Bodily Injury and Property Damage per accident. The Town should be named as an "Additional Insured".

Property Coverage for materials and supplies being transported by the contractor, as the Town's Property Contract provides coverage for personal property within 1000 feet of the premises.

Umbrella Liability of at least \$1,000,000/ occurrence, \$3,000,000/aggregate. The Town should be named as an Additional Insured.

Worker's Compensation per M.G.L. c.149, §34 and c. 152 as amended.

12.2 The Town shall be named as additional insureds on the Contractor's Liability Policies.

12.3 The Contractor shall not commence the work until proof of compliance with this Section 12.0 has been furnished to the Town by submitting one copy of a properly endorsed insurance certificate issued by a company authorized to write insurance in the Commonwealth. This certificate shall indicate that the contractual liability coverage is in force.

12.4 The Contractor shall file the original and one certified copy of all policies with the Town within fifteen (15) days after contract award. If the Town is damaged by the Contractor's failure to maintain such insurance and to so notify the Town, then the Contractor shall be responsible for all reasonable costs attributable thereto.

12.5 Cancellation of any insurance required by this contract, whether by the insurer or the insured, shall not be valid unless written notice thereof is given by the party proposing cancellation to the other party and Town at least thirty days prior to the effective date thereof, which shall be expressed in said notice.

### 13.0 CONFLICT OF INTEREST

13.1 No member, agent or employee of the Town shall , during his/her tenure or one year thereafter directly or indirectly, have any interest in any property to be included in, or any contract for property, materials or services to be furnished or used in connection with, this contract or the proceeds thereof.

### 14.0 COMPLIANCE WITH LAWS

14.1 All work to be performed and wages paid under this specification shall be in accordance with all applicable laws, state or federal, and all applicable ordinances, codes, rules, and regulations of the Town of Wellesley, or any public board or office having any jurisdiction, regulation or control over any work to be done hereunder, including minimum wage rates. In particular, without limitation, the Contractor agrees to comply with all regulations pertaining to approvals for federal and state grants, and with all federal and state environmental laws and regulations. The Contractor agrees to assist in making any submissions to federal or state agencies as may be required in order to meet the requirements in this paragraph. If the Contractor performs Work knowing it to be contrary to applicable laws, statutes, ordinances, codes, rules and regulations, or lawful orders of public authorities, the Contractor shall assume appropriate responsibility for such Work and shall bear the costs attributable to correction.

### 15.0 INDEMNIFICATION

15.1 To the fullest extent permitted by law the Contractor agrees to indemnify and save the Town harmless from and against any and all costs, losses, expenses, liabilities, damages or claims for damages, including reasonable attorney's fees and expenses, on account of any injury or damage to buildings, improvements, or property of the Town or on account of any injury (including death) or damage to any person, persons, firm, corporation or association, or on account of any infringement or claim of infringement of patents, arising out of or resulting from the deliveries provided for or performed under this contract or from any act, omission or negligence of the contractor, his agents, employees, or assigns. The foregoing provisions shall not be deemed to be released, waived or modified in any respect by reason of any surety or insurance provided by the contractor under contract.

15.2 In claims against any person or entity indemnified under this section by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this section shall not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the Contractor or Subcontractor under workers' compensation acts, disability benefit acts or other employee benefit acts.

#### 16.0 FORCE MAJEURE

16.1 The Town may not hold the Contractor liable for any loss, expense or damage incurred by the Town on account of failure of the Contractor to deliver services as specified herein, if that failure is caused by compliance with any law, order, or regulation of any federal, state or municipal governmental authority, if the Contractor shall show that such compliance would impair this ability to perform a material provision of this contract, the Contractor having given the Town reasonable notice of such cause.

#### 17.0 CLAIMS AND DISPUTE RESOLUTION

17.1 For any claim subject to, but not resolved by mediation, the method of binding dispute resolution shall be as litigation in a court of competent jurisdiction.

17.2 All claims, disputes and other matters in question between the Town and the Contractor arising out of or relating to this Contract or the breach of it, shall be submitted for resolution to a court of competent jurisdiction in Massachusetts, unless otherwise agreed by the parties. No such action shall be brought, however, until the completion of all Services under this Contract or the earlier termination of this Contract as provided herein, the parties agreeing to negotiate any claims, disputes or other matters in question during the term of this Contract before resorting to litigation. As to all acts or failures to act by either party to this Contract, any applicable statute of limitations shall commence to run and any alleged cause of action shall be deemed to have accrued in any and all events when the other party becomes aware or should have been aware of such acts or failure to act.

17.3 Claims, disputes and other matters in question arising out of or relating to this Contract, shall be subject to mediation as a condition precedent to binding dispute resolution. The parties shall endeavor to resolve their disputes by mediation which, unless the parties mutually agree otherwise, shall be administered by the American Arbitration Association in accordance with their Construction Industry Mediation Procedures in effect on the date of the Agreement. A request for mediation shall be made in writing, delivered to the other party to this Agreement, and filed with the person or entity administering the mediation. The request may be made concurrently with the binding dispute resolution but, in such event, mediation shall proceed in advance of binding dispute resolution proceedings, which shall be stayed pending mediation for a period of 60 days from the date of filing, unless stayed for a longer period by agreement of the parties or court order. If an arbitration is stayed pursuant to this Section, the parties may nonetheless proceed to the selection of the arbitrator(s) and agree upon a schedule for later proceedings.

#### 18.0 GOVERNING LAW

18.1 This contract shall be governed by and construed in accordance with Massachusetts Law.

#### 19.0 LIABILITY

19.1 The Contractor is retained solely for the purpose of and to the extent set forth in this Contract. The Contractor's relationship to the Town for the purpose of services to be performed under this Contract shall be that of an independent contractor. The Contractor shall have no capacity or authority to involve the Town in any contract or to incur any liability on behalf of the Town. In no event shall the Town be held liable as an employer or otherwise for any personal injury to or death of the Contractor's principals, employees, agents and/or representatives occasioned by or resulting from the Contractor's performance under this Contract.

#### 20.0 LIENS

20.1 The Contractor shall cause to be removed from the property of the Town any liens or other claims asserted by any person or entity claiming through or under the Contractor and arising out of Services performed under this Contract by such third party.

21.0 SEVERABILITY

- 21.1 In the event that any portion of this Contract is held illegal or unenforceable by a court of competent jurisdiction, the parties agree that such invalidity shall not affect the validity of the remaining portions of this Contract and Contractor and the Town agree to substitute for the invalid provision a valid provision which most closely approximates the economics and intent of the invalid provision.

**END OF SECTION**

**PUBLIC BUILDING MAINTENANCE CONTRACT  
SUPPLEMENTAL CONDITIONS  
COMMONWEALTH OF MASSACHUSETTS & TOWN OF WELLESLEY**

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## **SPECIAL CONDITIONS - COMMONWEALTH OF MASSACHUSETTS**

### **Article 1. METHOD OF PAYING SUBCONTRACTORS**

**(General Laws, Chapter 30, Section 39F as most recently amended by Chapter 450, §76 of the Acts of 1996)**

- 1.0 Every contract awarded pursuant to section forty-four A to L, inclusive, of chapter one hundred and forty-nine shall contain the following subparagraphs (a) through (i) and every contract awarded pursuant to section thirty-nine M of chapter thirty shall contain the following subparagraphs (a) through (h) and in each case those subparagraphs shall be binding between the general contractor and each subcontractor.
- A. Forthwith after the general contractor receives payment on account of a periodic estimate, the general contractor shall pay to each subcontractor the amount paid for the labor performed and the materials furnished by the subcontractor, less any amount specified in any court proceedings barring such payment and also less any amount claimed due from the subcontractor by the general contractor.
  - B. Not later than the sixty-fifth day after each subcontractor substantially completes his work in accordance with the plans and specifications, the entire balance due under the subcontract less amounts retained by the awarding authority as the estimated cost of completing the incomplete and unsatisfactory items of work, shall be due the subcontractor; and the awarding authority shall pay that amount to the general contractor. The general contractor shall forthwith pay to the subcontractor the full amount received from the awarding authority less any amount specified in any court proceedings barring such payment and also less any amount claimed due from the subcontractor by the general contractor.
  - C. Each payment made by the awarding authority to the general contractor pursuant to subparagraphs (a) and (b) of this paragraph for the labor performed and the materials furnished by a subcontractor shall be made to the general contractor for the account of that subcontractor, and the awarding authority shall take reasonable steps to compel the general contractor to make each such payment to each such subcontractor. If the awarding authority has received a demand for direct payment from a subcontractor for any amount which has already been included in a payment to the general contractor or which is to be included in a payment to the general contractor for payment to the subcontractor as provided in subparagraphs (a) and (b), the awarding authority shall act upon the demand as provided in this section.
  - D. If, within seventy days after the subcontractor has substantially completed the subcontract work, the subcontractor has not received from the general contractor the balance due under the subcontract including any amount due for extra labor and materials furnished to the general contractor, less any amount retained by the awarding authority as the estimated cost of completing the incomplete and unsatisfactory items of work, the subcontractor may demand direct payment of the balance from the awarding authority. The demand shall be by a sworn statement delivered to or sent by certified mail to the awarding authority, and a copy shall be delivered to or sent by certified mail to the general contractor at the same time. The demand shall contain a detailed breakdown of the balance due under the subcontract and also a statement of the status of completion of the subcontract work. Any demand made after substantial completion of the subcontract work shall be valid even if delivered or mailed prior to the seventieth day after the subcontractor has substantially completed the subcontract work. Within ten days after the subcontractor has delivered or so mailed the demand to the awarding authority and delivered or so mailed a copy to the general contractor, the general contractor may reply to the demand. The reply shall be by a sworn statement delivered to or sent by certified mail to the awarding authority and a copy shall be delivered to or sent by certified mail to the subcontractor at the same time. The reply shall contain a detailed breakdown of the balance due under the subcontract including any amount due for extra labor and materials furnished to the general contractor and of the amount due for each claim made by the general contractor against the subcontractor.
  - E. Within fifteen days after receipt of the demand by the awarding authority, but in no event prior to the seventieth day after substantial completion of the subcontract work, the awarding authority shall make direct payment to the subcontractor of the balance due under the subcontract including any amount due for extra labor and materials furnished to the general contractor, less any amount (i) retained by the awarding authority as the estimated cost of completing the incomplete or unsatisfactory items of work, (ii) specified in any court proceedings barring such payment, or (iii) disputed by the general contractor in the sworn reply; provided, that the awarding authority shall not deduct from a direct payment any amount as provided in part (iii) if the reply is not sworn to, or for which the sworn reply does not contain the detailed breakdown required by subparagraph (d). The awarding authority shall make further direct payments to the subcontractor forthwith after the removal of the basis for deductions from direct payments made as provided in parts (i) and (ii) of this subparagraph.

- F. The awarding authority shall forthwith deposit the amount deducted from a direct payment as provided in part (iii) of subparagraph (e) in an interest-bearing joint account in the names of the general contractor and the subcontractor in a bank in Massachusetts selected by the awarding authority or agreed upon by the general contractor and the subcontractor and shall notify the general contractor and the subcontractor of the date of the deposit and the bank receiving the deposit. The bank shall pay the amount in the account, including accrued interest, as provided in an agreement between the general contractor and the subcontractor or as determined by a decree of a court of competent jurisdiction.
- G. All direct payments and all deductions from demands for direct payments deposited in an interest-bearing account for accounts in a bank pursuant to subparagraph (f) shall be made out of amounts payable to the general contractor at the time of receipt of a demand for direct payment from a subcontractor and out of amounts which later become payable to the general contractor and in the order of receipt of such demands from subcontractors. All direct payments shall discharge the obligation of the awarding authority to the general contractor to the extent of such payment.
- H. The awarding authority shall deduct from payments to a general contractor amounts which, together with the deposits in interest-bearing accounts pursuant to subparagraph (f), are sufficient to satisfy all unpaid balances of demands for direct payment received from subcontractors. All such amounts shall be earmarked for such direct payments, and the subcontractors shall have a right in such deductions prior to any claims against such amounts by creditors of the general contractor.
- I. If the subcontractor does not receive payment as provided in subparagraph (a) or if the general contractor does not submit a periodic estimate for the value of the labor or materials performed or furnished by the subcontractor and the subcontractor does not receive payment for same when due less the deductions provided for in subparagraph (a), the subcontractor may demand direct payment by following the procedure in subparagraph (d) and the general contractor may file a sworn reply as provided in that same subparagraph. A demand made after the first day of the month following that for which the subcontractor performed or furnished the labor and materials for which the subcontractor seeks payment shall be valid even if delivered or mailed prior to the time payment was due on a periodic estimate from the general contractor. Thereafter the awarding authority shall proceed as provided in subparagraph (e), (f), (g) and (h).

## **Article 2. METHOD OF PAYING GENERAL CONTRACTORS**

**(General Laws, Chapter 30, Section 39K as most recently amended by Chapter 145 of the Acts of 1991 and Chapter 151 of the Acts of 1993.)**

Every contract for the construction, reconstruction, alteration, remodeling, repair or demolition of any public building by the commonwealth, or by any county, Town, town, district, board, commission or other public body, when the amount is more than five thousand dollars in the case of the commonwealth and more than two thousand dollars in the case of any county, Town, town, district, board, commission or other public body, shall contain the following paragraph:--Within fifteen days (forty-five days in the case of the commonwealth, including local housing authorities) after receipt from the contractor, at the place designated by the awarding authority if such a place is so designated, of a periodic estimate requesting payment of the amount due for the preceding month, the awarding authority will make a periodic payment to the contractor for the work performed during the preceding month and for the materials not incorporated in the work but delivered and suitably stored at the site (or at some location agreed upon in writing) to which the contractor has title or to which a subcontractor has title and has authorized the contractor to transfer title to the awarding authority, less (1) a retention based on its estimate of the fair value of its claims against the contractor and less (2) a retention for direct payments to subcontractors based on demands for same in accordance with the provisions of section thirty-nine F, and less (3) a retention not exceeding five per cent of the approved amount of the periodic payment. After the receipt of a periodic estimate requesting final payment and within sixty-five days after (a) the contractor fully completes the work or substantially completes the work so that the value of the work remaining to be done is, in the estimate of the awarding authority, less than one per cent of the original contract price, or (b) the contractor substantially completes the work and the awarding authority takes possession for occupancy, whichever occurs first, the awarding authority shall pay the contractor the entire balance due on the contract less (1) a retention based on its estimate of the fair value of its claims against the contractor and of the cost of completing the incomplete and unsatisfactory items of work and less (2) a retention for direct payments to subcontractors based on demands for same in accordance with the provisions of section thirty-nine F, or based on the record of payments by the contractor to the subcontractors under this contract if such record of payment indicates that the contractor has not paid subcontractors as provided in section thirty-nine F. If the awarding authority fails to make payment as herein provided, there shall be added to each such payment daily interest at the rate of three percentage points above the rediscount rate then charged by the Federal Reserve Bank of Boston commencing on the first day after said payment is due and continuing until the payment is delivered or mailed to the contractor; provided, that no interest shall be due, in any event, on the amount due on a periodic estimate for final payment

until fifteen days (twenty-four days in the case of the commonwealth) after receipt of such a periodic estimate from the contractor, at the place designated by the awarding authority if such a place is so designated. The contractor agrees to pay to each subcontractor a portion of any such interest paid in accordance with the amount due each subcontractor.

The awarding authority may make changes in any periodic estimate submitted by the contractor and the payment due on said periodic estimate shall be computed in accordance with the changes so made, but such changes or any requirement for a corrected periodic estimate shall not affect the due date for the periodic payment or the date for the commencement of interest charges on the amount of the periodic payment computed in accordance with the changes made, as provided herein; provided, that the awarding authority may, within seven days after receipt, return to the contractor for correction, any periodic estimate which is not in the required form or which contains computations not arithmetically correct and, in that event, the date of receipt of such periodic estimate shall be the date of receipt of the corrected periodic estimate in proper form and with arithmetically correct computations. The date of receipt of a periodic estimate received on a Saturday shall be the first working day thereafter. The provisions of section thirty-nine G shall not apply to any contract for the construction, reconstruction, alteration, remodeling, repair or demolition of any public building to which this section applies.

All periodic estimates shall be submitted to the awarding authority, or to its designee as set forth in writing to the contractor, and the date of receipt by the awarding authority or its designee shall be marked on the estimate. All periodic estimates shall contain a separate item for each filed sub-trade and each sub-subtrade listed in sub-bid form as required by specifications and a column listing the amount paid to each subcontractor and sub-subcontractor as of the date the periodic estimate is filed. The person making payment for the awarding authority shall add the daily interest provided for herein to each payment for each day beyond the due date based on the date of receipt marked on the estimate.

A certificate of the architect to the effect that the contractor has fully or substantially completed the work shall, subject to the provisions of section thirty-nine J, be conclusive for the purposes of this section.

### **Article 3. CLAIMS FOR UNFORESEEN CONDITIONS**

**(General Laws, Chapter 30, Section 39N as most recently amended by Chapter 774 of the Acts of 1972)**

Every contract subject to section forty-four A of chapter one hundred and forty-nine or subject to section thirty-nine M of chapter thirty shall contain the following paragraph in its entirety and an awarding authority may adopt reasonable rules or regulations in conformity with that paragraph concerning the filing, investigation and settlement of such claims:

If, during the progress of the work, the contractor or the awarding authority discovers that the actual subsurface or latent physical conditions encountered at the site differ substantially or materially from those shown on the plans or indicated in the contract documents either the contractor or the contracting authority may request an equitable adjustment in the contract price of the contract applying to work affected by the differing site conditions. A request for such an adjustment shall be in writing and shall be delivered by the party making such claim to the other party as soon as possible after such conditions are discovered. Upon receipt of such a claim from a contractor, or upon its own initiative, the contracting authority shall make an investigation of such physical conditions, and, if they differ substantially or materially from those shown on the plans or indicated in the contract documents or from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the plans and contract documents and are of such a nature as to cause an increase or decrease in the cost of performance of the work or a change in the construction methods required for the performance of the work which results in an increase or decrease in the cost of the work, the contracting authority shall make an equitable adjustment in the contract price and the contract shall be modified in writing accordingly.

### **Article 4. CLAIMS FOR DELAY**

**(General Laws, Chapter 30, Section 390 as added by Chapter 116 of the Acts of 1973)**

- 1.0 Every contract subject to the provisions of section thirty-nine M of this chapter or subject to section forty-four A of chapter one hundred forty-nine shall contain the following provisions (a) and (b) in their entirety and, in the event a suspension, delay, interruption or failure to act of the awarding authority increases the cost of performance to any subcontractor, that subcontractor shall have the same rights against the general contractor for payment for an increase in the cost of his performance as provisions (a) and (b) give the general contractor against the awarding authority, but nothing in provisions (a) and (b) shall in any way change, modify or alter any other rights which the general contractor or the subcontractor may have against each other.



- A. The awarding authority may order the general contractor in writing to suspend, delay, or interrupt all or any part of the work for such period of time as it may determine to be appropriate for the convenience of the awarding authority; provided however, that if there is a suspension, delay or interruption for fifteen days or more or due to a failure of the awarding authority to act within the time specified in this contract, the awarding authority shall make an adjustment in the contract price for any increase in the cost of performance of this contract but shall not include any profit to the general contractor on such increase; and provided further, that the awarding authority shall not make any adjustment in the contract price under this provision for any suspension, delay, interruption or failure to act to the extent that such is due to any cause for which this contract provides for an equitable adjustment of the contract price under any other contract provisions.
- B. The general contractor must submit the amount of a claim under provision (a) to the awarding authority in writing, as soon as practicable after the end of the suspension, delay, interruption of failure to act and, in any event, not later than the date of final payment under this contract and, except for costs due to a suspension order, the awarding authority shall not approve any costs in the claim incurred more than twenty days before the general contractor notified the awarding authority in writing of the act of failure to act involved in the claim.

## **Article 5. DECISIONS AND APPROVALS BY ENGINEER OR ARCHITECT**

**(General Laws, Chapter 30, Section 39P, as added by Chapter 1164 of the Acts of 1973)**

Every contract subject to section thirty-nine M of this chapter or section forty-four A of chapter one hundred forty-nine which requires the awarding authority, any official, its architect or engineer to make a decision on interpretation of the specifications, approval of equipment, material or any other approval, or progress of the work, shall require that the decision be made promptly and, in any event, no later than thirty days after the written submission for decision; but if such decision requires extended investigation and study, the awarding authority, the official, architect or engineer shall, within thirty days after the receipt of the submission, give the party making the submission written notice of the reasons why the decision cannot be made within the thirty day period and the date by which the decision will be made.

## **Article 6. PREFERENCE IN EMPLOYMENT, WAGES**

**(General Laws, Chapter 149 Section 26 as most recently amended by Chapter 665 of the Acts of 1986 and Chapter 552 of the Acts of 1991).**

In the employment of mechanics and apprentices, teamsters, chauffeurs and laborers in the construction of public works by the commonwealth, or by a county, town or district, or by persons contracting or subcontracting for such works, preference shall first be given to citizens of the commonwealth who have been residents of the commonwealth for at least six months at the commencement of their employment who are male veterans as defined in clause Forty-third of section seven of chapter four, and who are qualified to perform the work to which the employment relates; and secondly, to citizens of the commonwealth generally who have been residents of the commonwealth for at least six months at the commencement of their employment, and if they cannot be obtained in sufficient numbers, then to citizens of the United States, and every contract for such work shall contain a provision to this effect. Each county, town or district in the construction of public works, or persons contracting or subcontracting for such works, shall give preference to veterans and citizens who are residents of such county, town or district. The rate per hour of the wages paid to said mechanics and apprentices, teamsters, chauffeurs and laborers in the construction of public works shall not be less than the rate or rates of wages to be determined by the commissioner as hereinafter provided; provided, that the wages paid to laborers employed on said works shall not be less than those paid to laborers in the municipal service of the town or towns where said works are being constructed; provided, further, that where the same public work is to be constructed in two or more towns, the wages paid to laborers shall not be less than those paid to laborers in the municipal service of the town paying the highest rate; provided, further, that if, in any of the towns where the works are to be constructed, a wage rate or wage rates have been established in certain trades and occupations by collective agreements or understandings in the private construction industry between organized labor and employers, the rate or rates to be paid on said works shall not be less than the rates so established, provided, further that in towns where no such rate or rates have been so established, the wages paid to mechanics and apprentices, teamster, chauffeurs and laborers on public works, shall not be less than the wages paid to the employees in the same trades and occupations by private employers engaged in the construction industry. This section shall also apply to regular employees of the commonwealth or of a county, town or district, when such employees are employed in the construction, addition to or alteration of



public buildings for which special appropriation of more than One Thousand Dollars are provided. Payments by employers to health and welfare plans, pension plans and supplementary unemployment benefit plans under collective bargaining agreements or understandings between organized labor and employers shall be included for the purpose of establishing minimum wage rates as herein provided.

## **Article 7. HOURS OF WORK**

**(General Laws, Chapter 149 Section 34 as most recently amended by Chapter 552 of the Acts of 1991).**

Every contract, except for the purchase of material or supplies, involving the employment of laborers, workmen, mechanics, foremen or inspectors, to which the commonwealth or any county or town, subject to section thirty, is a party, shall contain a stipulation that no laborer, workman, mechanic, foreman or inspector working within the commonwealth, in the employ of the contractor, subcontractor or other person doing or contracting to do the whole or a part of the work contemplated by the contract, shall be required or permitted to work more than eight hours in any one day or more than forty-eight hours in any one week, or more than six days in any one week, except in case of emergency, or, in case any town subject to section thirty-one is a party to such a contract, more than eight hours in any one day, except as aforesaid, provided, that in contracts entered into by the department of highways for the construction or reconstruction of highways there may be inserted in said stipulation a provision that said department, or any contractor or subcontractor for said department, may employ laborers, workmen, mechanics, foremen and inspectors for more than eight hours in any one day in such construction or reconstruction when, in the opinion of the commissioner of labor and industries, public necessity so requires. Every such contract not containing the aforesaid stipulation shall be null and void.

## **Article 8. WORK BY FOREIGN CORPORATIONS**

**(General Laws, Chapter 30 Section 39L, as most recently amended by Chapter 3 of the Acts of 1967).**

The Commonwealth and every county, Town, town, district, board, commission or other public body which, as the awarding authority, requests proposals, bids or subbids for any work in the construction, reconstruction, alteration, remodeling, repair or demolition of any public building or other public works (1) shall not enter into a contract for such work with, and shall not approve as a subcontractor furnishing labor and materials for a part of any such work, a foreign corporation which has not filed with such awarding authority a certificate of the state secretary stating that such corporation has complied with sections three and five of chapter one hundred and eighty-one and the date of such compliance, and (2) shall report to the state secretary and to the department of corporations and taxation any foreign corporation performing work under such contract or subcontract, and any person, other than a corporation, performing work under such contract or subcontract, and residing or having a principal place of business outside the Commonwealth.

**END OF SECTION**

## **SPECIAL CONDITIONS OF THE CONTRACT – TOWN OF WELLESLEY**

The following provisions supplement the General Conditions of the Contract for Non-Technical Services. In the event of conflict or discrepancy between the General Conditions and these Special Conditions, the provisions of the Special Conditions shall govern.

### **1.0 SUMMARY OF WORK**

#### **A. The Work under the Contract consists of:**

1. Furnishing all labor, materials, tools, equipment and supervision necessary to accomplish the work described herein, in accordance with all specifications and requirements of the Project Manual.
2. All work included in the specifications unless specifically indicated as not to be done.

#### **B. In addition, the work under the Contract includes:**

1. Work outside the Project Site as called for in the Contract Documents and as required for the performance of the Work.
2. The restoration of any items damaged or destroyed by encroaching upon areas outside the Project Site.
3. Providing and restoring, where appropriate, all temporary facilities.

#### **C. The Proposed Contract Price shall include complete costs, including overhead, profit, insurance, transportation, and all other costs connected with, or incidental to, the work described.**

### **2.0 PROJECT SITE**

#### **A. The areas of work for this contract shall be various buildings within the Town of Wellesley.**

### **3.0 NOTICE TO PROCEED/FAILURE TO COMMENCE WORK**

#### **A. Contractor shall be issued notice to proceed in the form of a letter issued by the Facilities Maintenance Department. The Contractor shall commence performance of the work within the time specified in the letter, and in no event within less than the time limits stated in the Work Specifications contained in the Project Manual.**

#### **B. In the event the contractor fails to commence performance within the specified time, and/or notifies the Town of its inability to do so, the Town shall call upon the second Contractor awarded pursuant to this bid (if any) to perform the required work.**

#### **C. In the event the second Contractor awarded pursuant to this bid is unable to commence performance within the required time, or if there is no second Contractor, the Town reserves the right to contract for the work on the open market at the then prevailing rate and to deduct from any monies due or that may thereafter become due to the contractor the difference between the price stated for the work in the contract and the actual cost thereof to the Town.**

#### **D. In the event of Contractor's repeated failure to commence work within the time required by these specifications, the Town shall exercise all provisions contained in the General Conditions regarding default, suspension or termination of this contract.**

### **4.0 PAYMENT**

#### **A. Payments shall be made on account of materials and equipment delivered and suitably stored at the site for subsequent incorporation in the Work. If approved in advance by the Owner, payment may similarly be made for materials and equipment stored, and protected from damage, off the site at a location agreed upon in writing.**

- B. Once each month, on a date established by the Town, the Contractor may submit an Application for Payment (Invoice) for the work performed during the preceeding month. The Contractor may invoice for all Work Orders completed and accepted during the preceeding month, and for all Work Orders either partially completed or not yet accepted by the Town.
- C. Upon receipt of the Application for Payment, the Town will, within fifteen days, make payment in full for all Work Orders completed and accepted during the preceeding month. For Work Orders partially completed or not yet accepted, the Town will make payment for the value of the Work Order completed during the preceeding month, less a retainage of 5% of the estimated total of the Work Order. The Town will make final payment for partially completed Work Orders, including any retained amounts, upon completion and acceptance of the work and receipt of an Application for Payment at the end of the month in which the work is completed and accepted.
- D. The Owner may also withhold a Certificate for Payment because of subsequently discovered evidence, may nullify the whole or a part of a Certificate for Payment previously issued, to such extent as may be necessary in the Owner's or Architect's opinion to protect the Owner from loss for which the Contractor is responsible, including loss resulting from acts and omissions because of:
- a. defective work not remedied;
  - b. third party claims filed or reasonable evidence indicating probable filing of such claims unless security acceptable to the Owner is provided by the Contractor;
  - c. failure of the Contractor to make payments properly to Subcontractors or for labor, materials or equipment;
  - d. reasonable evidence that the work cannot be completed for the unpaid balance of the contract cum;
  - e. damage to the Owner or a separate contractor;
  - f. reasonable evidence that the work will not be completed within the contract time and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay; or
  - h. repeated failure to carry out the work in accordance with the Contract Documents.
- E. Substantial Completion is the stage in the progress of the work when the work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so that the Owner can occupy or utilize the work for its intended use.
- F. When the Contractor considers that the work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall prepare and submit to the Owner a comprehensive list of items to be completed or corrected prior to final payment. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all work in accordance with the Contract Documents.
- G. Upon receipt of the Contractor's list, the Owner will make an inspection to determine whether the work or designated portion thereof is substantially complete. When the determination is made that the work or designated portion thereof is substantially complete, the Owner will notify the contractor in writing that the project is Substantially Completion, with an established date of Substantial Completion. Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the work or designated portion thereof unless otherwise provided.
- H. The Substantial Completion letter shall be submitted to the Contractor for their written acceptance of responsibilities assigned to them in such letter. Upon such acceptance and consent of surety, if any, the Owner shall make payment of retainage applying to such work or designated portion thereof. Such payment shall be adjusted for work that is incomplete or not in accordance with the requirements of the Contract Documents.
- I. Upon receipt of the Contractor's written notice that the work is ready for final inspection and acceptance and upon receipt of a final Application for Payment, the Owner will promptly make such inspection and, when the Owner finds the work acceptable under the Contract Documents and the Contract fully performed, the Owner will approve a final Certificate for Payment.
- J. Final payment shall not become due until the Contractor has delivered to the Owner a complete release of all liens arising out of this Contract or receipts in full covering all labor, materials and equipment for which a lien could be filed, or a bond satisfactory to the Owner to indemnify the Owner against such lien. If such lien remains unsatisfied after payments are made, the Contractor shall refund to the Owner all money that the Owner may be compelled to pay in discharging such lien, including costs and reasonable attorneys' fees.

- K. Acceptance of final payment by the Contractor, a Subcontractor or material supplier shall constitute a waiver of claims by that payee except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

## 5.0 COMMUNICATIONS

- A. All notices, demands, requests, instructions, approvals and claims must be in writing.
- B. Any such notice shall be deemed to have been given as of the time of delivery, or of actual receipt in the case of telegrams or, in the case of mailing, when it should have been received in due course of post.
- C. For communicating purposes, the office address of the Contractor shall be that stated on the signature page of the contract; that of the Town shall be as stated in the Invitation for Bids. Any subsequent change in address of either party shall be communicated to the other in writing.

## 6.0 DRAWINGS AND SPECIFICATIONS

- A. The Town will furnish to the Contractor, without charge, all copies of the specifications reasonably necessary in the performance of the contract work.

## 7.0 COORDINATION

The Contractor shall:

- A. Supply to the Town the name and telephone number of a responsible person who may be contacted during off-hour emergencies during the term of the Contract.
- B. Cooperate at all times with the Town and the Project Manager, and ensure the cooperation of his key personnel and that of his subcontractors.

## 8.0 CONDUCT OF THE WORK

- A. The work must be completed in a continuous uninterrupted operation. The Contractor must use sufficient workforce and adequate equipment to complete all the necessary work requirements within a minimum period of time.
- B. The work shall be conducted between the hours of 7:00 a.m. and 3:30 p.m. on Monday through Friday. No work shall be done on holidays, Saturdays or Sundays except as specifically requested and authorized by the Town. Certain work which causes excessive noise such as demolition or other repair work must be performed between 12:00 AM and 7:00 am, so as not to interrupt Police operations.
- C. Under no circumstances will the contractor be paid at a premium or overtime rate for any work performed without the express advance authorization of the Town.
- D. The Contractor is responsible for the security of partially completed work until the project is finally accepted by the Town.
- E. Contractors working on Police Department property shall be subject to the Wellesley Police Department's (WPD) background checks.
- F. Because the work is to be performed in a working police station, WPD security requirements shall take precedence at all times, and the contractor shall adjust his schedule as necessary.

## 9.0 ALTERATION

- A. The Contractor shall patch, repair and/or replace all existing materials and surfaces remaining exposed after installation of new work which have been affected by alteration or removal of existing work. All patch and repair work shall match existing.

## 10.0 GENERAL DIRECTIONS

### A. Damage to Persons and Property

- a. Any damage to buildings, roads, public roads, bituminous concrete areas, fences, lawn areas, trees, shrubbery, electric or telephone poles, underground utilities, etc., shall be repaired by the Contractor at his own expense. Damaged property shall be returned to its original condition prior to the damages within a reasonable time period, except all utility outages shall be repaired immediately.

### B. Protection of Persons and Property

- a. The Contractor shall, at all times, leave an unobstructed way along the roadways and walks, and shall maintain barriers and lights for the protection of all persons and property in all locations where he has materials stored or work going on, and during the entire time such work is going on or material is stored.

### C. Shutdown of Services

- a. **The Contractor's attention is especially called to the fact that continuous operation of building utilities and services is mandatory. During the period of construction of the new work and/or alterations to the existing work, the progress and sequence of installation shall be carefully planned and approved by the Town. If any building is to be left without heat, hot water, Town water, electric, gas, sanitary facilities, or any other services, the Contractor shall provide reasonable written notice to the Town before proceeding.**

### D. Care of Work

- a. All work is to be carefully protected so that no injury will come to it from water, frost, accident, or any other cause and any injury which may come to any of the work shall be repaired immediately by the Contractor at his own expense and without additional cost to the Town. This shall also apply to any abutting or adjoining work on premises. The Contractor shall be responsible for any damage and in the event of such damage, the Contractor shall repair the damage immediately at his own cost and without additional cost to the Town.

### E. Removal of Debris

- a. Debris of any nature shall be completely removed from the site at the end of each day's work and disposed of in accordance with all Federal, State and local regulations.

### F. The Contractor is responsible for the security of all work until it is accepted by the Town.

## 11.0 TEMPORARY UTILITIES

- A. Prior to execution of the Work, the Contractor shall confer with a representative of the Facilities Maintenance Department regarding the use of utilities and facilities at the worksite. No Town utilities or facilities are to be used by the Contractor in the performance of this Contract without the prior approval of the Town.

## 12.0 SUBMISSION OF PAYROLLS

- A. The Contractor shall, with each invoice submitted during the term of this Contract, submit to the Town two (2) legible copies of his payrolls documenting the wages paid to all employees performing on site labor relating to the work of this Contract. These copies shall be prepared on forms supplied by the Town.

## 13.0 DRAWINGS (IF APPLICABLE)

- A. The drawings attached herein and such drawings as may be issued per addendum, shall constitute an integral part of this section and shall serve as the working drawings.
- B. Drawings shall not be scaled. Field verification is directed since actual locations, dimensions and levels are existing.

- C. All items not specifically mentioned in the specifications or noted on the drawings, but which are obviously necessary to make a complete working installation, shall be included.

#### 14.0 MATERIALS

- A. Unless specifically so stated to the contrary the use of a manufacturer's name or style number is not restrictive, and is intended solely as an identification of the type and quality of the materials and services required. In all cases, the words "or approved equal" if not inserted are implied.
- B. An item equal to that named or described in the specifications may upon written approval of the Town be furnished by the Contractor. An item shall be considered equal to the item so named or described if (1) it is at least equal in quality, durability, appearance, strength and design; (2) it will perform at least equally the function imposed by the general design for the public work being contracted for or the material being purchased; (3) it conforms substantially, even with deviations, to the detailed requirements for the item in the specifications.
- C. The name and identification of all materials other than the one specifically named shall be submitted to the Town in writing for approval, prior to purchase, use or fabrication of such items. Approval shall be at the sole discretion of the Town, shall be in writing to be effective, and the decision of the Town shall be final. The Town may require tests of all materials so submitted to establish quality standards at the Contractor's expense.
- D. For the use of material other than the one specified, the Contractor shall assume the cost of and responsibility for satisfactorily accomplishing all changes that may be required in the work as shown. All directions, specifications and recommendations by manufacturers for the installation, handling, storing, adjustment, and operation of their equipment shall be complied with and responsibility for proper performance shall continue to rest with the Contractor.
- E. The Contractor shall not have any right of appeal from the decision of the Town condemning any materials furnished if the Contractor fails to obtain the approval for substitution in accordance with these provisions. If any substitution is more costly, the Contractor shall pay for such costs

#### 15.0 WARRANTY

- A. In addition to other guarantees or warranties required under law or other sections of the specification, the Contractor warrants all materials furnished and labor performed under this Contract to be free from defects or errors in workmanship or installation for a period of one year from the date of Completion of the work, as certified by the Project Manager. The Contractor shall indemnify the Town for the full cost of any damage to the property that may result by reason of such defects or errors and shall indemnify the Town from and against any and all claims, demands, losses, costs, expenses, liabilities and damages, including reasonable attorney's fees and expenses, arising out of or on account of this Contract, including but not limited to claims brought against the Town for alleged infringement of patents based upon any methods of construction or application of materials furnished under the Contract.

#### END OF SECTION

## **TOWN OF WELLESLEY WAGE RATE REQUIREMENTS**

### **1. GENERAL**

- A. This section summarizes the requirements for the payment of wages to laborers and mechanics employed under the Contract.
- B. Other duties and requirements of law which may not be specified in this section apply and are inherently part of the Contract.

### **2. WAGE RATES**

- A. The rate per hour to be paid to mechanics, apprentices, teamsters, chauffeurs, and laborers employed on the Work shall not be less than the rate of wages in the attached "Minimum Wage Rates" as determined by the Commissioner of Labor and Industries. The schedule of prevailing wage rates will be updated annually for all public construction projects lasting longer than one (1) year. The contractor shall pay the prevailing wage rate set out in the applicable prevailing wage rate schedule. Increases in prevailing wage rates shall not be the basis for a change order.
- B. Keep posted on the site a legible copy of said schedule. Keep on file the wage rates and classifications of labor employed on this Work in order that they may be available for inspection by the Owner, Administrator, or the Architect.
- C. Apprentices employed pursuant to this determination of wage rates must be registered and approved by the State Apprenticeship Council wherever rates for journeymen or apprentices are not listed.
- D. Pay reserve police officers employed on the Work the prevailing rate of wages paid to regular police officers as required by M.G.L. c.149, §34B, as amended. Such police officers shall be covered by Workmen's Compensation Insurance and Employers Liability Insurance by the Contractor.
- E. The Contractor and all subcontractors shall, on a weekly basis throughout the term of the contract, provide to the Town of Wellesley certified payroll affidavits verifying compliance with M.G.L. c.149, §§27, 27A and 27B.
- F. The Contractor and all subcontractors shall provide a Statement of Compliance within 15 days of the completion of its portion of the work. This statement shall be submitted to the Owner on the form found elsewhere in this section.
- G. The Contractor shall maintain accurate and complete records, including payroll records, during the Contract term and for three years thereafter. Filings made by the Contractor pursuant to Clauses 47, 48 and 49 of the General Conditions shall be deemed to constitute compliance with State filing requirements under the Massachusetts Prevailing Wage Law.

**END OF SECTION**





DEVAL L. PATRICK  
Governor

THE COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT  
DEPARTMENT OF LABOR STANDARDS

Prevailing Wage Rates

As determined by the Director under the provisions of the  
Massachusetts General Laws, Chapter 149, Sections 26 to 27H

RACHEL KAPRIELIAN  
Secretary  
HEATHER E. ROWE  
Director

Awarding Authority: Town of Wellesley MA  
Contract Number: City/Town: WELLESLEY  
Description of Work: Fingerprint Station - Add doorway and electronic access controls to PD holding area  
Job Location: 485 Washington Street, Wellesley, MA 02481

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Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the "Wage Request Number" on all pages of this schedule.
- An Awarding Authority must request an updated wage schedule from the Department of Labor Standards ("DLS") if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule. For CM AT RISK projects (bid pursuant to G.L. c.149A), the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work must be within 90-days of the wage schedule issuance date.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L. c. 149, § 27. The wage schedule shall be made a part of the contract awarded for the project. The wage schedule must be posted in a conspicuous place at the work site for the life of the project in accordance with M.G.L. c. 149 § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
- All apprentices working on the project are required to be registered with the Massachusetts Division of Apprentice Standards (DAS). Apprentice must keep his/her apprentice identification card on his/her person during all work hours on the project. An apprentice registered with DAS may be paid the lower apprentice wage rate at the applicable step as provided on the prevailing wage schedule. **If an apprentice rate is not listed on the prevailing wage schedule for the trade in which an apprentice is registered with the DAS, the apprentice must be paid the journeyworker's rate for the trade.**
- The wage rates will remain in effect for the duration of the project, except in the case of multi-year public construction projects. For construction projects lasting longer than one year, awarding authorities must request an updated wage schedule. Awarding authorities are required to request these updates no later than two weeks before the anniversary of the date the contract was executed by the awarding authority and the general contractor. For multi-year CM AT RISK projects, awarding authority must request an annual update no later than two weeks before the anniversary date, determined as the earlier of: (a) the execution date of the GMP Amendment, or (b) the execution date of the first amendment to permit procurement of construction services. Contractors are required to obtain the wage schedules from awarding authorities, and to pay no less than these rates to covered workers. The annual update requirement is not applicable to 27F "rental of equipment" contracts.
- Every contractor or subcontractor which performs construction work on the project is required to submit weekly payroll reports and a Statement of Compliance directly to the awarding authority by mail or email and keep them on file for three years. Each weekly payroll report must contain: the employee's name, address, occupational classification, hours worked, and wages paid. Do not submit weekly payroll reports to DLS. A sample of a payroll reporting form may be obtained at <http://www.mass.gov/dols/pw>.
- Contractors with questions about the wage rates or classifications included on the wage schedule have an affirmative obligation to inquire with DLS at (617) 626-6953.
- Employees not receiving the prevailing wage rate set forth on the wage schedule may report the violation to the Fair Labor Division of the office of the Attorney General at (617) 727-3465.
- Failure of a contractor or subcontractor to pay the prevailing wage rates listed on the wage schedule to all employees who perform construction work on the project is a violation of the law and subjects the contractor or subcontractor to civil and criminal penalties.

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Issue Date: 11/26/2014

Wage Request Number: 20141126-014

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
<b>Construction</b>						
(2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	08/01/2014	\$31.30	\$9.91	\$8.80	\$0.00	\$50.01
	12/01/2014	\$31.30	\$9.91	\$9.33	\$0.00	\$50.54
	06/01/2015	\$31.65	\$9.91	\$9.33	\$0.00	\$50.89
	08/01/2015	\$31.65	\$10.41	\$9.33	\$0.00	\$51.39
	12/01/2015	\$31.65	\$10.41	\$10.08	\$0.00	\$52.14
	06/01/2016	\$32.15	\$10.41	\$10.08	\$0.00	\$52.64
	08/01/2016	\$32.15	\$10.91	\$10.08	\$0.00	\$53.14
	12/01/2016	\$32.15	\$10.91	\$10.89	\$0.00	\$53.95
(3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	08/01/2014	\$31.37	\$9.91	\$8.80	\$0.00	\$50.08
	12/01/2014	\$31.37	\$9.91	\$9.33	\$0.00	\$50.61
	06/01/2015	\$31.72	\$9.91	\$9.33	\$0.00	\$50.96
	08/01/2015	\$31.72	\$10.41	\$9.33	\$0.00	\$51.46
	12/01/2015	\$31.72	\$10.41	\$10.08	\$0.00	\$52.21
	06/01/2016	\$32.22	\$10.41	\$10.08	\$0.00	\$52.71
	08/01/2016	\$32.22	\$10.91	\$10.08	\$0.00	\$53.21
	12/01/2016	\$32.22	\$10.91	\$10.89	\$0.00	\$54.02
(4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	08/01/2014	\$31.49	\$9.91	\$8.80	\$0.00	\$50.20
	12/01/2014	\$31.49	\$9.91	\$9.33	\$0.00	\$50.73
	06/01/2015	\$31.84	\$9.91	\$9.33	\$0.00	\$51.08
	08/01/2015	\$31.84	\$10.41	\$9.33	\$0.00	\$51.58
	12/01/2015	\$31.84	\$10.41	\$10.08	\$0.00	\$52.33
	06/01/2016	\$32.34	\$10.41	\$10.08	\$0.00	\$52.83
	08/01/2016	\$32.34	\$10.91	\$10.08	\$0.00	\$53.33
	12/01/2016	\$32.34	\$10.91	\$10.89	\$0.00	\$54.14
ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 1)</i>	08/01/2014	\$87.36	\$9.80	\$18.17	\$0.00	\$115.33
	08/01/2015	\$90.51	\$9.80	\$18.17	\$0.00	\$118.48
AIR TRACK OPERATOR <i>LABORERS - ZONE 2</i>	06/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	12/01/2014	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	06/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	12/01/2015	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	06/01/2016	\$33.10	\$7.30	\$12.10	\$0.00	\$52.50
	12/01/2016	\$33.85	\$7.30	\$12.10	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
ASBESTOS REMOVER - PIPE / MECH. EQUIPT. <i>HEAT &amp; FROST INSULATORS LOCAL 6 (BOSTON)</i>	06/01/2014	\$31.58	\$10.40	\$5.95	\$0.00	\$47.93
	12/01/2014	\$32.48	\$10.40	\$5.95	\$0.00	\$48.83
	06/01/2015	\$33.43	\$10.40	\$5.95	\$0.00	\$49.78
	12/01/2015	\$34.38	\$10.40	\$5.95	\$0.00	\$50.73
ASPHALT RAKER <i>LABORERS - ZONE 2</i>	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$41.49	\$10.00	\$14.20	\$0.00	\$65.69
	12/01/2014	\$42.49	\$10.00	\$14.20	\$0.00	\$66.69
	06/01/2015	\$43.24	\$10.00	\$14.20	\$0.00	\$67.44
	12/01/2015	\$44.49	\$10.00	\$14.20	\$0.00	\$68.69
	06/01/2016	\$45.24	\$10.00	\$14.20	\$0.00	\$69.44
	12/01/2016	\$46.49	\$10.00	\$14.20	\$0.00	\$70.69
	06/01/2017	\$47.49	\$10.00	\$14.20	\$0.00	\$71.69
	12/01/2017	\$48.49	\$10.00	\$14.20	\$0.00	\$72.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$41.49	\$10.00	\$14.20	\$0.00	\$65.69
	12/01/2014	\$42.49	\$10.00	\$14.20	\$0.00	\$66.69
	06/01/2015	\$43.24	\$10.00	\$14.20	\$0.00	\$67.44
	12/01/2015	\$44.49	\$10.00	\$14.20	\$0.00	\$68.69
	06/01/2016	\$45.24	\$10.00	\$14.20	\$0.00	\$69.44
	12/01/2016	\$46.49	\$10.00	\$14.20	\$0.00	\$70.69
	06/01/2017	\$47.49	\$10.00	\$14.20	\$0.00	\$71.69
	12/01/2017	\$48.49	\$10.00	\$14.20	\$0.00	\$72.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 2</i>	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 2</i>	06/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	12/01/2014	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	06/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	12/01/2015	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	06/01/2016	\$33.10	\$7.30	\$12.10	\$0.00	\$52.50
	12/01/2016	\$33.85	\$7.30	\$12.10	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
BOILER MAKER <i>BOILERMAKERS LOCAL 29</i>	01/01/2010	\$37.70	\$6.97	\$11.18	\$0.00	\$55.85

## Classification

Effective Date   Base Wage   Health   Pension   Supplemental  
Unemployment   Total RateApprentice - *BOILERMAKER - Local 29*

Effective Date - 01/01/2010

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	65	\$24.51	\$6.97	\$11.18	\$0.00	\$42.66
2	65	\$24.51	\$6.97	\$11.18	\$0.00	\$42.66
3	70	\$26.39	\$6.97	\$11.18	\$0.00	\$44.54
4	75	\$28.28	\$6.97	\$11.18	\$0.00	\$46.43
5	80	\$30.16	\$6.97	\$11.18	\$0.00	\$48.31
6	85	\$32.05	\$6.97	\$11.18	\$0.00	\$50.20
7	90	\$33.93	\$6.97	\$11.18	\$0.00	\$52.08
8	95	\$35.82	\$6.97	\$11.18	\$0.00	\$53.97

Notes:

Apprentice to Journeyworker Ratio:1:5

BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING)	08/01/2014	\$48.96	\$10.18	\$18.22	\$0.00	\$77.36
BRICKLAYERS LOCAL 3 (NEWTON)	02/01/2015	\$49.52	\$10.18	\$18.22	\$0.00	\$77.92
	08/01/2015	\$50.42	\$10.18	\$18.29	\$0.00	\$78.89
	02/01/2016	\$50.99	\$10.18	\$18.29	\$0.00	\$79.46
	08/01/2016	\$51.89	\$10.18	\$18.37	\$0.00	\$80.44
	02/01/2017	\$52.46	\$10.18	\$18.37	\$0.00	\$81.01

Apprentice - *BRICK/PLASTER/CEMENT MASON - Local 3 Newton*

Effective Date - 08/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.48	\$10.18	\$18.22	\$0.00	\$52.88
2	60	\$29.38	\$10.18	\$18.22	\$0.00	\$57.78
3	70	\$34.27	\$10.18	\$18.22	\$0.00	\$62.67
4	80	\$39.17	\$10.18	\$18.22	\$0.00	\$67.57
5	90	\$44.06	\$10.18	\$18.22	\$0.00	\$72.46

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.76	\$10.18	\$18.22	\$0.00	\$53.16
2	60	\$29.71	\$10.18	\$18.22	\$0.00	\$58.11
3	70	\$34.66	\$10.18	\$18.22	\$0.00	\$63.06
4	80	\$39.62	\$10.18	\$18.22	\$0.00	\$68.02
5	90	\$44.57	\$10.18	\$18.22	\$0.00	\$72.97

Notes:

Apprentice to Journeyworker Ratio:1:5

Issue Date: 11/26/2014

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
BULLDOZER/GRADER/SCRAPER <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$41.10	\$10.00	\$14.20	\$0.00	\$65.30
	12/01/2014	\$42.09	\$10.00	\$14.20	\$0.00	\$66.29
	06/01/2015	\$42.83	\$10.00	\$14.20	\$0.00	\$67.03
	12/01/2015	\$44.07	\$10.00	\$14.20	\$0.00	\$68.27
	06/01/2016	\$44.82	\$10.00	\$14.20	\$0.00	\$69.02
	12/01/2016	\$46.05	\$10.00	\$14.20	\$0.00	\$70.25
	06/01/2017	\$47.04	\$10.00	\$14.20	\$0.00	\$71.24
	12/01/2017	\$48.03	\$10.00	\$14.20	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
CAISSON & UNDERPINNING BOTTOM MAN <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2014	\$35.20	\$7.30	\$12.90	\$0.00	\$55.40
	12/01/2014	\$35.95	\$7.30	\$12.90	\$0.00	\$56.15
	06/01/2015	\$36.70	\$7.30	\$12.90	\$0.00	\$56.90
	12/01/2015	\$37.45	\$7.30	\$12.90	\$0.00	\$57.65
	06/01/2016	\$38.20	\$7.30	\$12.90	\$0.00	\$58.40
	12/01/2016	\$39.20	\$7.30	\$12.90	\$0.00	\$59.40
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2014	\$34.05	\$7.30	\$12.90	\$0.00	\$54.25
	12/01/2014	\$34.80	\$7.30	\$12.90	\$0.00	\$55.00
	06/01/2015	\$35.55	\$7.30	\$12.90	\$0.00	\$55.75
	12/01/2015	\$36.30	\$7.30	\$12.90	\$0.00	\$56.50
	06/01/2016	\$37.05	\$7.30	\$12.90	\$0.00	\$57.25
	12/01/2016	\$38.05	\$7.30	\$12.90	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
CAISSON & UNDERPINNING TOP MAN <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2014	\$34.05	\$7.30	\$12.90	\$0.00	\$54.25
	12/01/2014	\$34.80	\$7.30	\$12.90	\$0.00	\$55.00
	06/01/2015	\$35.55	\$7.30	\$12.90	\$0.00	\$55.75
	12/01/2015	\$36.30	\$7.30	\$12.90	\$0.00	\$56.50
	06/01/2016	\$37.05	\$7.30	\$12.90	\$0.00	\$57.25
	12/01/2016	\$38.05	\$7.30	\$12.90	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 2</i>	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
CARPENTER <i>CARPENTERS -ZONE 2 (Eastern Massachusetts)</i>	09/01/2014	\$35.35	\$9.80	\$16.11	\$0.00	\$61.26
	03/01/2015	\$36.12	\$9.80	\$16.11	\$0.00	\$62.03

**Classification**

Effective Date   Base Wage   Health   Pension   Supplemental  
Unemployment   Total Rate

**Apprentice - CARPENTER - Zone 2 Eastern MA**

Effective Date - 09/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.68	\$9.80	\$1.57	\$0.00	\$29.05
2	60	\$21.21	\$9.80	\$1.57	\$0.00	\$32.58
3	70	\$24.75	\$9.80	\$11.40	\$0.00	\$45.95
4	75	\$26.51	\$9.80	\$11.40	\$0.00	\$47.71
5	80	\$28.28	\$9.80	\$12.97	\$0.00	\$51.05
6	80	\$28.28	\$9.80	\$12.97	\$0.00	\$51.05
7	90	\$31.82	\$9.80	\$14.54	\$0.00	\$56.16
8	90	\$31.82	\$9.80	\$14.54	\$0.00	\$56.16

Effective Date - 03/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.06	\$9.80	\$1.57	\$0.00	\$29.43
2	60	\$21.67	\$9.80	\$1.57	\$0.00	\$33.04
3	70	\$25.28	\$9.80	\$11.40	\$0.00	\$46.48
4	75	\$27.09	\$9.80	\$11.40	\$0.00	\$48.29
5	80	\$28.90	\$9.80	\$12.97	\$0.00	\$51.67
6	80	\$28.90	\$9.80	\$12.97	\$0.00	\$51.67
7	90	\$32.51	\$9.80	\$14.54	\$0.00	\$56.85
8	90	\$32.51	\$9.80	\$14.54	\$0.00	\$56.85

Notes:

Apprentice to Journeyworker Ratio:1:5

CEMENT MASONRY/PLASTERING	07/01/2014	\$43.77	\$10.90	\$18.71	\$1.30	\$74.68
BRICKLAYERS LOCAL 3 (NEWTON)	01/01/2015	\$44.69	\$10.90	\$18.71	\$1.30	\$75.60
	07/01/2015	\$45.29	\$10.90	\$18.71	\$1.30	\$76.20
	01/01/2016	\$46.21	\$10.90	\$18.71	\$1.30	\$77.12

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
<b>Apprentice - CEMENT MASONRY/PLASTERING - Eastern Mass (Newton)</b>						
<b>Effective Date - 07/01/2014</b>						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.89	\$10.90	\$12.21	\$1.30	\$46.30
2	60	\$26.26	\$10.90	\$13.71	\$1.30	\$52.17
3	65	\$28.45	\$10.90	\$14.71	\$1.30	\$55.36
4	70	\$30.64	\$10.90	\$15.71	\$1.30	\$58.55
5	75	\$32.83	\$10.90	\$16.71	\$1.30	\$61.74
6	80	\$35.02	\$10.90	\$17.71	\$1.30	\$64.93
7	90	\$39.39	\$10.90	\$18.71	\$1.30	\$70.30
<b>Effective Date - 01/01/2015</b>						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$22.35	\$10.90	\$12.21	\$1.30	\$46.76
2	60	\$26.81	\$10.90	\$13.71	\$1.30	\$52.72
3	65	\$29.05	\$10.90	\$14.71	\$1.30	\$55.96
4	70	\$31.28	\$10.90	\$15.71	\$1.30	\$59.19
5	75	\$33.52	\$10.90	\$16.71	\$1.30	\$62.43
6	80	\$35.75	\$10.90	\$17.71	\$1.30	\$65.66
7	90	\$40.22	\$10.90	\$18.71	\$1.30	\$71.13
<b>Notes:</b> Steps 3,4 are 500 hrs. All other steps are 1,000 hrs.						
<b>Apprentice to Journeyworker Ratio:1:3</b>						
<b>CHAIN SAW OPERATOR</b>						
<i>LABORERS - ZONE 2</i>						
	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
<b>CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES</b>						
<i>OPERATING ENGINEERS LOCAL 4</i>						
	06/01/2014	\$42.49	\$10.00	\$14.20	\$0.00	\$66.69
	12/01/2014	\$43.49	\$10.00	\$14.20	\$0.00	\$67.69
	06/01/2015	\$44.24	\$10.00	\$14.20	\$0.00	\$68.44
	12/01/2015	\$45.49	\$10.00	\$14.20	\$0.00	\$69.69
	06/01/2016	\$46.24	\$10.00	\$14.20	\$0.00	\$70.44
	12/01/2016	\$47.49	\$10.00	\$14.20	\$0.00	\$71.69
	06/01/2017	\$48.49	\$10.00	\$14.20	\$0.00	\$72.69
	12/01/2017	\$49.49	\$10.00	\$14.20	\$0.00	\$73.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						



Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
COMPRESSOR OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$28.80	\$10.00	\$14.20	\$0.00	\$53.00
	12/01/2014	\$29.50	\$10.00	\$14.20	\$0.00	\$53.70
	06/01/2015	\$30.02	\$10.00	\$14.20	\$0.00	\$54.22
	12/01/2015	\$30.89	\$10.00	\$14.20	\$0.00	\$55.09
	06/01/2016	\$31.41	\$10.00	\$14.20	\$0.00	\$55.61
	12/01/2016	\$32.28	\$10.00	\$14.20	\$0.00	\$56.48
	06/01/2017	\$32.97	\$10.00	\$14.20	\$0.00	\$57.17
	12/01/2017	\$33.66	\$10.00	\$14.20	\$0.00	\$57.86
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DELEADER (BRIDGE) <i>PAINTERS LOCAL 35 - ZONE 2</i>	07/01/2014	\$46.76	\$7.85	\$16.10	\$0.00	\$70.71
	01/01/2015	\$47.66	\$7.85	\$16.10	\$0.00	\$71.61
	07/01/2015	\$48.56	\$7.85	\$16.10	\$0.00	\$72.51
	01/01/2016	\$49.51	\$7.85	\$16.10	\$0.00	\$73.46
	07/01/2016	\$50.46	\$7.85	\$16.10	\$0.00	\$74.41
	01/01/2017	\$51.41	\$7.85	\$16.10	\$0.00	\$75.36

**Apprentice - PAINTER Local 35 - BRIDGES/TANKS**

**Effective Date - 07/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.38	\$7.85	\$0.00	\$0.00	\$31.23
2	55	\$25.72	\$7.85	\$3.66	\$0.00	\$37.23
3	60	\$28.06	\$7.85	\$3.99	\$0.00	\$39.90
4	65	\$30.39	\$7.85	\$4.32	\$0.00	\$42.56
5	70	\$32.73	\$7.85	\$14.11	\$0.00	\$54.69
6	75	\$35.07	\$7.85	\$14.44	\$0.00	\$57.36
7	80	\$37.41	\$7.85	\$14.77	\$0.00	\$60.03
8	90	\$42.08	\$7.85	\$15.44	\$0.00	\$65.37

**Effective Date - 01/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.83	\$7.85	\$0.00	\$0.00	\$31.68
2	55	\$26.21	\$7.85	\$3.66	\$0.00	\$37.72
3	60	\$28.60	\$7.85	\$3.99	\$0.00	\$40.44
4	65	\$30.98	\$7.85	\$4.32	\$0.00	\$43.15
5	70	\$33.36	\$7.85	\$14.11	\$0.00	\$55.32
6	75	\$35.75	\$7.85	\$14.44	\$0.00	\$58.04
7	80	\$38.13	\$7.85	\$14.77	\$0.00	\$60.75
8	90	\$42.89	\$7.85	\$15.44	\$0.00	\$66.18

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

**Issue Date:** 11/26/2014

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DEMO: ADZEMAN LABORERS - ZONE 2	06/01/2014	\$34.25	\$7.30	\$12.70	\$0.00	\$54.25
	12/01/2014	\$35.00	\$7.30	\$12.70	\$0.00	\$55.00
	06/01/2015	\$35.75	\$7.30	\$12.70	\$0.00	\$55.75
	12/01/2015	\$36.50	\$7.30	\$12.70	\$0.00	\$56.50
For apprentice rates see "Apprentice- LABORER"						
DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS - ZONE 2	06/01/2014	\$35.25	\$7.30	\$12.70	\$0.00	\$55.25
	12/01/2014	\$36.00	\$7.30	\$12.70	\$0.00	\$56.00
	06/01/2015	\$36.75	\$7.30	\$12.70	\$0.00	\$56.75
	12/01/2015	\$37.50	\$7.30	\$12.70	\$0.00	\$57.50
For apprentice rates see "Apprentice- LABORER"						
DEMO: BURNERS LABORERS - ZONE 2	06/01/2014	\$35.00	\$7.30	\$12.70	\$0.00	\$55.00
	12/01/2014	\$35.75	\$7.30	\$12.70	\$0.00	\$55.75
	06/01/2015	\$36.50	\$7.30	\$12.70	\$0.00	\$56.50
	12/01/2015	\$37.25	\$7.30	\$12.70	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
DEMO: CONCRETE CUTTER/SAWYER LABORERS - ZONE 2	06/01/2014	\$35.25	\$7.30	\$12.70	\$0.00	\$55.25
	12/01/2014	\$36.00	\$7.30	\$12.70	\$0.00	\$56.00
	06/01/2015	\$36.75	\$7.30	\$12.70	\$0.00	\$56.75
	12/01/2015	\$37.50	\$7.30	\$12.70	\$0.00	\$57.50
For apprentice rates see "Apprentice- LABORER"						
DEMO: JACKHAMMER OPERATOR LABORERS - ZONE 2	06/01/2014	\$35.00	\$7.30	\$12.70	\$0.00	\$55.00
	12/01/2014	\$35.75	\$7.30	\$12.70	\$0.00	\$55.75
	06/01/2015	\$36.50	\$7.30	\$12.70	\$0.00	\$56.50
	12/01/2015	\$37.25	\$7.30	\$12.70	\$0.00	\$57.25
For apprentice rates see "Apprentice- LABORER"						
DEMO: WRECKING LABORER LABORERS - ZONE 2	06/01/2014	\$34.25	\$7.30	\$12.70	\$0.00	\$54.25
	12/01/2014	\$35.00	\$7.30	\$12.70	\$0.00	\$55.00
	06/01/2015	\$35.75	\$7.30	\$12.70	\$0.00	\$55.75
	12/01/2015	\$36.50	\$7.30	\$12.70	\$0.00	\$56.50
For apprentice rates see "Apprentice- LABORER"						
DIRECTIONAL DRILL MACHINE OPERATOR OPERATING ENGINEERS LOCAL 4	06/01/2014	\$41.10	\$10.00	\$14.20	\$0.00	\$65.30
	12/01/2014	\$42.09	\$10.00	\$14.20	\$0.00	\$66.29
	06/01/2015	\$42.83	\$10.00	\$14.20	\$0.00	\$67.03
	12/01/2015	\$44.07	\$10.00	\$14.20	\$0.00	\$68.27
	06/01/2016	\$44.82	\$10.00	\$14.20	\$0.00	\$69.02
	12/01/2016	\$46.05	\$10.00	\$14.20	\$0.00	\$70.25
	06/01/2017	\$47.04	\$10.00	\$14.20	\$0.00	\$71.24
	12/01/2017	\$48.03	\$10.00	\$14.20	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
DIVER PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2014	\$58.24	\$9.80	\$18.17	\$0.00	\$86.21
	08/01/2015	\$60.34	\$9.80	\$18.17	\$0.00	\$88.31
DIVER TENDER PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2014	\$41.60	\$9.80	\$18.17	\$0.00	\$69.57
	08/01/2015	\$43.10	\$9.80	\$18.17	\$0.00	\$71.07
DIVER TENDER (EFFLUENT) PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2014	\$62.40	\$9.80	\$18.17	\$0.00	\$90.37
	08/01/2015	\$64.65	\$9.80	\$18.17	\$0.00	\$92.62
DIVER/SLURRY (EFFLUENT) PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2014	\$87.36	\$9.80	\$18.17	\$0.00	\$115.33
	08/01/2015	\$90.51	\$9.80	\$18.17	\$0.00	\$118.48
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DRAWBRIDGE OPERATOR (Construction) <i>ELECTRICIANS LOCAL 103</i>	09/01/2014	\$44.79	\$13.00	\$15.04	\$0.00	\$72.83
	03/01/2015	\$45.17	\$13.00	\$15.40	\$0.00	\$73.57
	09/01/2015	\$46.13	\$13.00	\$15.43	\$0.00	\$74.56
	03/01/2016	\$47.08	\$13.00	\$15.46	\$0.00	\$75.54
For apprentice rates see "Apprentice- ELECTRICIAN"						
ELECTRICIAN <i>ELECTRICIANS LOCAL 103</i>	09/01/2014	\$44.79	\$13.00	\$15.04	\$0.00	\$72.83
	03/01/2015	\$45.17	\$13.00	\$15.40	\$0.00	\$73.57
	09/01/2015	\$46.13	\$13.00	\$15.43	\$0.00	\$74.56
	03/01/2016	\$47.08	\$13.00	\$15.46	\$0.00	\$75.54

**Apprentice - ELECTRICIAN - Local 103**

**Effective Date - 09/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.92	\$13.00	\$0.54	\$0.00	\$31.46
2	40	\$17.92	\$13.00	\$0.54	\$0.00	\$31.46
3	45	\$20.16	\$13.00	\$11.33	\$0.00	\$44.49
4	45	\$20.16	\$13.00	\$11.33	\$0.00	\$44.49
5	50	\$22.40	\$13.00	\$11.67	\$0.00	\$47.07
6	55	\$24.63	\$13.00	\$12.01	\$0.00	\$49.64
7	60	\$26.87	\$13.00	\$12.35	\$0.00	\$52.22
8	65	\$29.11	\$13.00	\$12.68	\$0.00	\$54.79
9	70	\$31.35	\$13.00	\$13.02	\$0.00	\$57.37
10	75	\$33.59	\$13.00	\$13.36	\$0.00	\$59.95

**Effective Date - 03/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$18.07	\$13.00	\$0.54	\$0.00	\$31.61
2	40	\$18.07	\$13.00	\$0.54	\$0.00	\$31.61
3	45	\$20.33	\$13.00	\$11.63	\$0.00	\$44.96
4	45	\$20.33	\$13.00	\$11.63	\$0.00	\$44.96
5	50	\$22.59	\$13.00	\$11.97	\$0.00	\$47.56
6	55	\$24.84	\$13.00	\$12.32	\$0.00	\$50.16
7	60	\$27.10	\$13.00	\$12.66	\$0.00	\$52.76
8	65	\$29.36	\$13.00	\$13.00	\$0.00	\$55.36
9	70	\$31.62	\$13.00	\$13.34	\$0.00	\$57.96
10	75	\$33.88	\$13.00	\$13.69	\$0.00	\$60.57

Notes: :

App Prior 1/1/03; 30/35/40/45/50/55/65/70/75/80

Apprentice to Journeyworker Ratio:2:3\*\*\*

ELEVATOR CONSTRUCTOR <i>ELEVATOR CONSTRUCTORS LOCAL 4</i>	01/01/2012	\$52.45	\$8.78	\$6.96	\$0.00	\$68.19
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
<b>Apprentice - ELEVATOR CONSTRUCTOR - Local 4</b>						
<b>Effective Date - 01/01/2012</b>						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$26.23	\$8.78	\$0.00	\$0.00	\$35.01
2	55	\$28.85	\$8.78	\$6.96	\$0.00	\$44.59
3	65	\$34.09	\$8.78	\$6.96	\$0.00	\$49.83
4	70	\$36.72	\$8.78	\$6.96	\$0.00	\$52.46
5	80	\$41.96	\$8.78	\$6.96	\$0.00	\$57.70
<b>Notes:</b>						
Steps 1-2 are 6 mos.; Steps 3-5 are 1 year						
<b>Apprentice to Journeyworker Ratio:1:1</b>						
ELEVATOR CONSTRUCTOR HELPER ELEVATOR CONSTRUCTORS LOCAL 4	01/01/2012	\$38.59	\$8.78	\$6.96	\$0.00	\$54.33
For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"						
FENCE & GUARD RAIL ERECTOR LABORERS - ZONE 2	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
FIELD ENG.INST PERSON-BLDG,SITE,HVY/HWY OPERATING ENGINEERS LOCAL 4	05/01/2014	\$38.87	\$10.00	\$14.18	\$0.00	\$63.05
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY OPERATING ENGINEERS LOCAL 4	05/01/2014	\$40.29	\$10.00	\$14.18	\$0.00	\$64.47
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY OPERATING ENGINEERS LOCAL 4	05/01/2014	\$20.92	\$10.00	\$14.18	\$0.00	\$45.10
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FIRE ALARM INSTALLER ELECTRICIANS LOCAL 103	09/01/2014	\$44.79	\$13.00	\$15.04	\$0.00	\$72.83
	03/01/2015	\$45.17	\$13.00	\$15.40	\$0.00	\$73.57
	09/01/2015	\$46.13	\$13.00	\$15.43	\$0.00	\$74.56
	03/01/2016	\$47.08	\$13.00	\$15.46	\$0.00	\$75.54
For apprentice rates see "Apprentice- ELECTRICIAN"						
FIRE ALARM REPAIR / MAINTENANCE / COMMISSIONINGELECTRICIANS LOCAL 103	09/01/2014	\$33.59	\$13.00	\$13.36	\$0.00	\$59.95
	03/01/2015	\$33.88	\$13.00	\$13.70	\$0.00	\$60.58
	09/01/2015	\$34.60	\$13.00	\$13.72	\$0.00	\$61.32
	03/01/2016	\$35.31	\$13.00	\$13.74	\$0.00	\$62.05
For apprentice rates see "Apprentice- TELECOMMUNICATIONS TECHNICIAN"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$34.59	\$10.00	\$14.20	\$0.00	\$58.79
	12/01/2014	\$35.43	\$10.00	\$14.20	\$0.00	\$59.63
	06/01/2015	\$36.05	\$10.00	\$14.20	\$0.00	\$60.25
	12/01/2015	\$37.10	\$10.00	\$14.20	\$0.00	\$61.30
	06/01/2016	\$37.72	\$10.00	\$14.20	\$0.00	\$61.92
	12/01/2016	\$38.76	\$10.00	\$14.20	\$0.00	\$62.96
	06/01/2017	\$39.60	\$10.00	\$14.20	\$0.00	\$63.80
	12/01/2017	\$40.43	\$10.00	\$14.20	\$0.00	\$64.63
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
FLAGGER & SIGNALER <i>LABORERS - ZONE 2</i>	06/01/2014	\$20.50	\$7.30	\$12.10	\$0.00	\$39.90
	12/01/2014	\$20.50	\$7.30	\$12.10	\$0.00	\$39.90
	06/01/2015	\$20.50	\$7.30	\$12.10	\$0.00	\$39.90
	12/01/2015	\$20.50	\$7.30	\$12.10	\$0.00	\$39.90
	06/01/2016	\$20.50	\$7.30	\$12.10	\$0.00	\$39.90
	12/01/2016	\$20.50	\$7.30	\$12.10	\$0.00	\$39.90
For apprentice rates see "Apprentice- LABORER"						
FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE I</i>	09/01/2014	\$40.40	\$9.80	\$17.21	\$0.00	\$67.41

**Apprentice - FLOORCOVERER - Local 2168 Zone I**

**Effective Date - 09/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.20	\$9.80	\$1.79	\$0.00	\$31.79
2	55	\$22.22	\$9.80	\$1.79	\$0.00	\$33.81
3	60	\$24.24	\$9.80	\$11.84	\$0.00	\$45.88
4	65	\$26.26	\$9.80	\$11.84	\$0.00	\$47.90
5	70	\$28.28	\$9.80	\$13.63	\$0.00	\$51.71
6	75	\$30.30	\$9.80	\$13.63	\$0.00	\$53.73
7	80	\$32.32	\$9.80	\$15.42	\$0.00	\$57.54
8	85	\$34.34	\$9.80	\$15.42	\$0.00	\$59.56

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

FORK LIFT/CHERRY PICKER <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$41.49	\$10.00	\$14.20	\$0.00	\$65.69
	12/01/2014	\$42.49	\$10.00	\$14.20	\$0.00	\$66.69
	06/01/2015	\$43.24	\$10.00	\$14.20	\$0.00	\$67.44
	12/01/2015	\$44.49	\$10.00	\$14.20	\$0.00	\$68.69
	06/01/2016	\$45.24	\$10.00	\$14.20	\$0.00	\$69.44
	12/01/2016	\$46.49	\$10.00	\$14.20	\$0.00	\$70.69
	06/01/2017	\$47.49	\$10.00	\$14.20	\$0.00	\$71.69
	12/01/2017	\$48.49	\$10.00	\$14.20	\$0.00	\$72.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
GENERATOR/LIGHTING PLANT/HEATERS <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$28.80	\$10.00	\$14.20	\$0.00	\$53.00
	12/01/2014	\$29.50	\$10.00	\$14.20	\$0.00	\$53.70
	06/01/2015	\$30.02	\$10.00	\$14.20	\$0.00	\$54.22
	12/01/2015	\$30.89	\$10.00	\$14.20	\$0.00	\$55.09
	06/01/2016	\$31.41	\$10.00	\$14.20	\$0.00	\$55.61
	12/01/2016	\$32.28	\$10.00	\$14.20	\$0.00	\$56.48
	06/01/2017	\$32.97	\$10.00	\$14.20	\$0.00	\$57.17
	12/01/2017	\$33.66	\$10.00	\$14.20	\$0.00	\$57.86
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) <i>GLAZIERS LOCAL 35 (ZONE 2)</i>	07/01/2014	\$36.26	\$7.85	\$16.10	\$0.00	\$60.21
	01/01/2015	\$37.16	\$7.85	\$16.10	\$0.00	\$61.11
	07/01/2015	\$38.06	\$7.85	\$16.10	\$0.00	\$62.01
	01/01/2016	\$39.01	\$7.85	\$16.10	\$0.00	\$62.96
	07/01/2016	\$39.96	\$7.85	\$16.10	\$0.00	\$63.91
	01/01/2017	\$40.91	\$7.85	\$16.10	\$0.00	\$64.86

**Apprentice - GLAZIER - Local 35 Zone 2**

**Effective Date - 07/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.13	\$7.85	\$0.00	\$0.00	\$25.98
2	55	\$19.94	\$7.85	\$3.66	\$0.00	\$31.45
3	60	\$21.76	\$7.85	\$3.99	\$0.00	\$33.60
4	65	\$23.57	\$7.85	\$4.32	\$0.00	\$35.74
5	70	\$25.38	\$7.85	\$14.11	\$0.00	\$47.34
6	75	\$27.20	\$7.85	\$14.44	\$0.00	\$49.49
7	80	\$29.01	\$7.85	\$14.77	\$0.00	\$51.63
8	90	\$32.63	\$7.85	\$15.44	\$0.00	\$55.92

**Effective Date - 01/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.58	\$7.85	\$0.00	\$0.00	\$26.43
2	55	\$20.44	\$7.85	\$3.66	\$0.00	\$31.95
3	60	\$22.30	\$7.85	\$3.99	\$0.00	\$34.14
4	65	\$24.15	\$7.85	\$4.32	\$0.00	\$36.32
5	70	\$26.01	\$7.85	\$14.11	\$0.00	\$47.97
6	75	\$27.87	\$7.85	\$14.44	\$0.00	\$50.16
7	80	\$29.73	\$7.85	\$14.77	\$0.00	\$52.35
8	90	\$33.44	\$7.85	\$15.44	\$0.00	\$56.73

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
HOISTING ENGINEER/CRANES/GRADALLS <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$41.49	\$10.00	\$14.20	\$0.00	\$65.69
	12/01/2014	\$42.49	\$10.00	\$14.20	\$0.00	\$66.69
	06/01/2015	\$43.24	\$10.00	\$14.20	\$0.00	\$67.44
	12/01/2015	\$44.49	\$10.00	\$14.20	\$0.00	\$68.69
	06/01/2016	\$45.24	\$10.00	\$14.20	\$0.00	\$69.44
	12/01/2016	\$46.49	\$10.00	\$14.20	\$0.00	\$70.69
	06/01/2017	\$47.49	\$10.00	\$14.20	\$0.00	\$71.69
	12/01/2017	\$48.49	\$10.00	\$14.20	\$0.00	\$72.69

**Apprentice - OPERATING ENGINEERS - Local 4**

**Effective Date - 06/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$22.82	\$10.00	\$0.00	\$0.00	\$32.82
2	60	\$24.89	\$10.00	\$14.18	\$0.00	\$49.07
3	65	\$26.97	\$10.00	\$14.18	\$0.00	\$51.15
4	70	\$29.04	\$10.00	\$14.18	\$0.00	\$53.22
5	75	\$31.12	\$10.00	\$14.18	\$0.00	\$55.30
6	80	\$33.19	\$10.00	\$14.18	\$0.00	\$57.37
7	85	\$35.27	\$10.00	\$14.18	\$0.00	\$59.45
8	90	\$37.34	\$10.00	\$14.18	\$0.00	\$61.52

**Effective Date - 12/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$23.37	\$10.00	\$0.00	\$0.00	\$33.37
2	60	\$25.49	\$10.00	\$14.18	\$0.00	\$49.67
3	65	\$27.62	\$10.00	\$14.18	\$0.00	\$51.80
4	70	\$29.74	\$10.00	\$14.18	\$0.00	\$53.92
5	75	\$31.87	\$10.00	\$14.18	\$0.00	\$56.05
6	80	\$33.99	\$10.00	\$14.18	\$0.00	\$58.17
7	85	\$36.12	\$10.00	\$14.18	\$0.00	\$60.30
8	90	\$38.24	\$10.00	\$14.18	\$0.00	\$62.42

Notes:

Apprentice to Journeyworker Ratio:1:6

HVAC (DUCTWORK) <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	08/01/2014	\$42.79	\$9.82	\$20.54	\$2.19	\$75.34
	02/01/2015	\$43.69	\$9.82	\$20.54	\$2.19	\$76.24
	08/01/2015	\$44.69	\$9.82	\$20.54	\$2.19	\$77.24
	02/01/2016	\$45.69	\$9.82	\$20.54	\$2.19	\$78.24
	08/01/2016	\$46.84	\$9.82	\$20.54	\$2.19	\$79.39
	02/01/2017	\$47.94	\$9.82	\$20.54	\$2.19	\$80.49
	08/01/2017	\$49.04	\$9.82	\$20.54	\$2.19	\$81.59
	02/01/2018	\$50.19	\$9.82	\$20.54	\$2.19	\$82.74

For apprentice rates see "Apprentice- SHEET METAL WORKER"

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
HVAC (ELECTRICAL CONTROLS) <i>ELECTRICIANS LOCAL 103</i>	09/01/2014	\$44.79	\$13.00	\$15.04	\$0.00	\$72.83
	03/01/2015	\$45.17	\$13.00	\$15.40	\$0.00	\$73.57
	09/01/2015	\$46.13	\$13.00	\$15.43	\$0.00	\$74.56
	03/01/2016	\$47.08	\$13.00	\$15.46	\$0.00	\$75.54
For apprentice rates see "Apprentice- ELECTRICIAN"						
HVAC (TESTING AND BALANCING - AIR) <i>SHEETMETAL WORKERS LOCAL 17 - A</i>	08/01/2014	\$42.79	\$9.82	\$20.54	\$2.19	\$75.34
	02/01/2015	\$43.69	\$9.82	\$20.54	\$2.19	\$76.24
	08/01/2015	\$44.69	\$9.82	\$20.54	\$2.19	\$77.24
	02/01/2016	\$45.69	\$9.82	\$20.54	\$2.19	\$78.24
	08/01/2016	\$46.84	\$9.82	\$20.54	\$2.19	\$79.39
	02/01/2017	\$47.94	\$9.82	\$20.54	\$2.19	\$80.49
	08/01/2017	\$49.04	\$9.82	\$20.54	\$2.19	\$81.59
	02/01/2018	\$50.19	\$9.82	\$20.54	\$2.19	\$82.74
For apprentice rates see "Apprentice- SHEET METAL WORKER"						
HVAC (TESTING AND BALANCING -WATER) <i>PIPEFITTERS LOCAL 537</i>	09/01/2014	\$48.69	\$9.20	\$16.64	\$0.00	\$74.53
	03/01/2015	\$49.69	\$9.20	\$16.64	\$0.00	\$75.53
	09/01/2015	\$50.69	\$9.20	\$16.64	\$0.00	\$76.53
	03/01/2016	\$51.69	\$9.20	\$16.64	\$0.00	\$77.53
	09/01/2016	\$52.69	\$9.20	\$16.64	\$0.00	\$78.53
	03/01/2017	\$53.69	\$9.20	\$16.64	\$0.00	\$79.53
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HVAC MECHANIC <i>PIPEFITTERS LOCAL 537</i>	09/01/2014	\$48.69	\$9.20	\$16.64	\$0.00	\$74.53
	03/01/2015	\$49.69	\$9.20	\$16.64	\$0.00	\$75.53
	09/01/2015	\$50.69	\$9.20	\$16.64	\$0.00	\$76.53
	03/01/2016	\$51.69	\$9.20	\$16.64	\$0.00	\$77.53
	09/01/2016	\$52.69	\$9.20	\$16.64	\$0.00	\$78.53
	03/01/2017	\$53.69	\$9.20	\$16.64	\$0.00	\$79.53
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
HYDRAULIC DRILLS <i>LABORERS - ZONE 2</i>	06/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	12/01/2014	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	06/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	12/01/2015	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	06/01/2016	\$33.10	\$7.30	\$12.10	\$0.00	\$52.50
	12/01/2016	\$33.85	\$7.30	\$12.10	\$0.00	\$53.25
For apprentice rates see "Apprentice- LABORER"						
INSULATOR (PIPES & TANKS) <i>HEAT &amp; FROST INSULATORS LOCAL 6 (BOSTON)</i>	09/01/2014	\$43.31	\$11.25	\$12.60	\$0.00	\$67.16



## Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

## Apprentice - ASBESTOS INSULATOR (Pipes &amp; Tanks) - Local 6 Boston

Effective Date - 09/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.66	\$11.25	\$9.35	\$0.00	\$42.26
2	60	\$25.99	\$11.25	\$10.00	\$0.00	\$47.24
3	70	\$30.32	\$11.25	\$10.65	\$0.00	\$52.22
4	80	\$34.65	\$11.25	\$11.30	\$0.00	\$57.20

## Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

## IRONWORKER/WELDER

IRONWORKERS LOCAL 7 (BOSTON AREA)

03/16/2014 \$41.19 \$7.70 \$19.25 \$0.00 \$68.14

## Apprentice - IRONWORKER - Local 7 Boston

Effective Date - 03/16/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$24.71	\$7.70	\$19.25	\$0.00	\$51.66
2	70	\$28.83	\$7.70	\$19.25	\$0.00	\$55.78
3	75	\$30.89	\$7.70	\$19.25	\$0.00	\$57.84
4	80	\$32.95	\$7.70	\$19.25	\$0.00	\$59.90
5	85	\$35.01	\$7.70	\$19.25	\$0.00	\$61.96
6	90	\$37.07	\$7.70	\$19.25	\$0.00	\$64.02

## Notes:

\*\* Structural 1:6; Ornamental 1:4

Apprentice to Journeyworker Ratio:\*\*

## JACKHAMMER &amp; PAVING BREAKER OPERATOR

LABORERS - ZONE 2

06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

## LABORER

LABORERS - ZONE 2

06/01/2014	\$30.35	\$7.30	\$12.10	\$0.00	\$49.75
12/01/2014	\$30.85	\$7.30	\$12.10	\$0.00	\$50.25
06/01/2015	\$31.35	\$7.30	\$12.10	\$0.00	\$50.75
12/01/2015	\$31.85	\$7.30	\$12.10	\$0.00	\$51.25
06/01/2016	\$32.35	\$7.30	\$12.10	\$0.00	\$51.75
12/01/2016	\$33.10	\$7.30	\$12.10	\$0.00	\$52.50

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
<b>Apprentice - LABORER - Zone 2</b>						
<b>Effective Date - 06/01/2014</b>						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$18.21	\$7.30	\$12.10	\$0.00	\$37.61
2	70	\$21.25	\$7.30	\$12.10	\$0.00	\$40.65
3	80	\$24.28	\$7.30	\$12.10	\$0.00	\$43.68
4	90	\$27.32	\$7.30	\$12.10	\$0.00	\$46.72
<b>Effective Date - 12/01/2014</b>						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$18.51	\$7.30	\$12.10	\$0.00	\$37.91
2	70	\$21.60	\$7.30	\$12.10	\$0.00	\$41.00
3	80	\$24.68	\$7.30	\$12.10	\$0.00	\$44.08
4	90	\$27.77	\$7.30	\$12.10	\$0.00	\$47.17
<b>Notes:</b>						
<b>Apprentice to Journeyworker Ratio:1:5</b>						
<b>LABORER: CARPENTER TENDER</b>						
<i>LABORERS - ZONE 2</i>						
	06/01/2014	\$30.35	\$7.30	\$12.10	\$0.00	\$49.75
	12/01/2014	\$30.85	\$7.30	\$12.10	\$0.00	\$50.25
	06/01/2015	\$31.35	\$7.30	\$12.10	\$0.00	\$50.75
	12/01/2015	\$31.85	\$7.30	\$12.10	\$0.00	\$51.25
	06/01/2016	\$32.35	\$7.30	\$12.10	\$0.00	\$51.75
	12/01/2016	\$33.10	\$7.30	\$12.10	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
<b>LABORER: CEMENT FINISHER TENDER</b>						
<i>LABORERS - ZONE 2</i>						
	06/01/2014	\$30.35	\$7.30	\$12.10	\$0.00	\$49.75
	12/01/2014	\$30.85	\$7.30	\$12.10	\$0.00	\$50.25
	06/01/2015	\$31.35	\$7.30	\$12.10	\$0.00	\$50.75
	12/01/2015	\$31.85	\$7.30	\$12.10	\$0.00	\$51.25
	06/01/2016	\$32.35	\$7.30	\$12.10	\$0.00	\$51.75
	12/01/2016	\$33.10	\$7.30	\$12.10	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
<b>LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER</b>						
<i>LABORERS - ZONE 2</i>						
	06/01/2014	\$30.55	\$7.30	\$12.05	\$0.00	\$49.90
	12/01/2014	\$31.05	\$7.30	\$12.05	\$0.00	\$50.40
	06/01/2015	\$31.55	\$7.30	\$12.05	\$0.00	\$50.90
	12/01/2015	\$32.05	\$7.30	\$12.05	\$0.00	\$51.40
For apprentice rates see "Apprentice- LABORER"						
<b>LABORER: MASON TENDER</b>						
<i>LABORERS - ZONE 2</i>						
	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 2</i>	06/01/2014	\$30.35	\$7.30	\$12.10	\$0.00	\$49.75
	12/01/2014	\$30.85	\$7.30	\$12.10	\$0.00	\$50.25
	06/01/2015	\$31.35	\$7.30	\$12.10	\$0.00	\$50.75
	12/01/2015	\$31.85	\$7.30	\$12.10	\$0.00	\$51.25
	06/01/2016	\$32.35	\$7.30	\$12.10	\$0.00	\$51.75
	12/01/2016	\$33.10	\$7.30	\$12.10	\$0.00	\$52.50
For apprentice rates see "Apprentice- LABORER"						
LABORER: TREE REMOVER <i>LABORERS - ZONE 2</i>	06/01/2014	\$30.35	\$7.30	\$12.10	\$0.00	\$49.75
	12/01/2014	\$30.85	\$7.30	\$12.10	\$0.00	\$50.25
	06/01/2015	\$31.35	\$7.30	\$12.10	\$0.00	\$50.75
	12/01/2015	\$31.85	\$7.30	\$12.10	\$0.00	\$51.25
	06/01/2016	\$32.35	\$7.30	\$12.10	\$0.00	\$51.75
	12/01/2016	\$33.10	\$7.30	\$12.10	\$0.00	\$52.50
This classification applies to all tree work associated with the removal of standing trees, and trimming and removal of branches and limbs when the work is not done for a utility company for the purpose of operation, maintenance or repair of utility company equipment. For apprentice rates see "Apprentice- LABORER"						
LASER BEAM OPERATOR <i>LABORERS - ZONE 2</i>	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE &amp; TILE</i>	08/01/2014	\$37.37	\$10.18	\$16.90	\$0.00	\$64.45
	02/01/2015	\$37.82	\$10.18	\$16.90	\$0.00	\$64.90
	08/01/2015	\$38.53	\$10.18	\$16.97	\$0.00	\$65.68
	02/01/2016	\$38.98	\$10.18	\$16.97	\$0.00	\$66.13
	08/01/2016	\$39.68	\$10.18	\$17.05	\$0.00	\$66.91
	02/01/2017	\$40.14	\$10.18	\$17.05	\$0.00	\$67.37

Classification

Effective Date   Base Wage   Health   Pension   Supplemental  
Unemployment   Total Rate

Apprentice - *MARBLE & TILE FINISHER - Local 3 Marble & Tile*

Effective Date - 08/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.69	\$10.18	\$16.90	\$0.00	\$45.77
2	60	\$22.42	\$10.18	\$16.90	\$0.00	\$49.50
3	70	\$26.16	\$10.18	\$16.90	\$0.00	\$53.24
4	80	\$29.90	\$10.18	\$16.90	\$0.00	\$56.98
5	90	\$33.63	\$10.18	\$16.90	\$0.00	\$60.71

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.91	\$10.18	\$16.90	\$0.00	\$45.99
2	60	\$22.69	\$10.18	\$16.90	\$0.00	\$49.77
3	70	\$26.47	\$10.18	\$16.90	\$0.00	\$53.55
4	80	\$30.26	\$10.18	\$16.90	\$0.00	\$57.34
5	90	\$34.04	\$10.18	\$16.90	\$0.00	\$61.12

Notes:

Apprentice to Journeyworker Ratio:1:3

MARBLE MASONS, TILELAYERS & TERRAZZO MECH  
BRICKLAYERS LOCAL 3 - MARBLE & TILE

08/01/2014	\$49.00	\$10.18	\$18.22	\$0.00	\$77.40
02/01/2015	\$49.56	\$10.18	\$18.22	\$0.00	\$77.96
08/01/2015	\$50.46	\$10.18	\$18.29	\$0.00	\$78.93
02/01/2016	\$51.03	\$10.18	\$18.29	\$0.00	\$79.50
08/01/2016	\$51.93	\$10.18	\$18.37	\$0.00	\$80.48
02/01/2017	\$52.50	\$10.18	\$18.37	\$0.00	\$81.05

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## Classification

Effective Date   Base Wage   Health   Pension   Supplemental  
Unemployment   Total Rate

## Apprentice - MARBLE-TILE-TERRAZZO MECHANIC - Local 3 Marble &amp; Tile

Effective Date - 08/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.50	\$10.18	\$18.22	\$0.00	\$52.90
2	60	\$29.40	\$10.18	\$18.22	\$0.00	\$57.80
3	70	\$34.30	\$10.18	\$18.22	\$0.00	\$62.70
4	80	\$39.20	\$10.18	\$18.22	\$0.00	\$67.60
5	90	\$44.10	\$10.18	\$18.22	\$0.00	\$72.50

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.78	\$10.18	\$18.22	\$0.00	\$53.18
2	60	\$29.74	\$10.18	\$18.22	\$0.00	\$58.14
3	70	\$34.69	\$10.18	\$18.22	\$0.00	\$63.09
4	80	\$39.65	\$10.18	\$18.22	\$0.00	\$68.05
5	90	\$44.60	\$10.18	\$18.22	\$0.00	\$73.00

Notes:

Apprentice to Journeyworker Ratio:1:5

MECH. SWEEPER OPERATOR (ON CONST. SITES)	06/01/2014	\$41.10	\$10.00	\$14.20	\$0.00	\$65.30
OPERATING ENGINEERS LOCAL 4	12/01/2014	\$42.09	\$10.00	\$14.20	\$0.00	\$66.29
	06/01/2015	\$42.83	\$10.00	\$14.20	\$0.00	\$67.03
	12/01/2015	\$44.07	\$10.00	\$14.20	\$0.00	\$68.27
	06/01/2016	\$44.82	\$10.00	\$14.20	\$0.00	\$69.02
	12/01/2016	\$46.05	\$10.00	\$14.20	\$0.00	\$70.25
	06/01/2017	\$47.04	\$10.00	\$14.20	\$0.00	\$71.24
	12/01/2017	\$48.03	\$10.00	\$14.20	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MECHANICS MAINTENANCE	06/01/2014	\$41.10	\$10.00	\$14.20	\$0.00	\$65.30
OPERATING ENGINEERS LOCAL 4	12/01/2014	\$42.09	\$10.00	\$14.20	\$0.00	\$66.29
	06/01/2015	\$42.83	\$10.00	\$14.20	\$0.00	\$67.03
	12/01/2015	\$44.07	\$10.00	\$14.20	\$0.00	\$68.27
	06/01/2016	\$44.82	\$10.00	\$14.20	\$0.00	\$69.02
	12/01/2016	\$46.05	\$10.00	\$14.20	\$0.00	\$70.25
	06/01/2017	\$47.04	\$10.00	\$14.20	\$0.00	\$71.24
	12/01/2017	\$48.03	\$10.00	\$14.20	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
MILLWRIGHT (Zone 1)	10/01/2014	\$36.68	\$9.80	\$16.21	\$0.00	\$62.69
MILLWRIGHTS LOCAL 1121 - Zone 1	04/01/2015	\$37.64	\$9.80	\$16.21	\$0.00	\$63.65

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
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**Apprentice - MILLWRIGHT - Local 1121 Zone 1**

**Effective Date - 10/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$20.17	\$9.80	\$4.48	\$0.00	\$34.45
2	65	\$23.84	\$9.80	\$13.36	\$0.00	\$47.00
3	75	\$27.51	\$9.80	\$14.18	\$0.00	\$51.49
4	85	\$31.18	\$9.80	\$14.99	\$0.00	\$55.97

**Effective Date - 04/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	55	\$20.70	\$9.80	\$4.48	\$0.00	\$34.98
2	65	\$24.47	\$9.80	\$13.36	\$0.00	\$47.63
3	75	\$28.23	\$9.80	\$14.18	\$0.00	\$52.21
4	85	\$31.99	\$9.80	\$14.99	\$0.00	\$56.78

Notes:

Steps are 2,000 hours

Apprentice to Journeyworker Ratio:1:5

MORTAR MIXER	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
LABORERS - ZONE 2	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
OILER (OTHER THAN TRUCK CRANES,GRADALLS)	06/01/2014	\$21.48	\$10.00	\$14.20	\$0.00	\$45.68
OPERATING ENGINEERS LOCAL 4	12/01/2014	\$22.00	\$10.00	\$14.20	\$0.00	\$46.20
	06/01/2015	\$22.38	\$10.00	\$14.20	\$0.00	\$46.58
	12/01/2015	\$23.03	\$10.00	\$14.20	\$0.00	\$47.23
	06/01/2016	\$23.42	\$10.00	\$14.20	\$0.00	\$47.62
	12/01/2016	\$24.07	\$10.00	\$14.20	\$0.00	\$48.27
	06/01/2017	\$24.58	\$10.00	\$14.20	\$0.00	\$48.78
	12/01/2017	\$25.10	\$10.00	\$14.20	\$0.00	\$49.30
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
OILER (TRUCK CRANES, GRADALLS)	06/01/2014	\$25.03	\$10.00	\$14.20	\$0.00	\$49.23
OPERATING ENGINEERS LOCAL 4	12/01/2014	\$25.64	\$10.00	\$14.20	\$0.00	\$49.84
	06/01/2015	\$26.09	\$10.00	\$14.20	\$0.00	\$50.29
	12/01/2015	\$26.84	\$10.00	\$14.20	\$0.00	\$51.04
	06/01/2016	\$27.30	\$10.00	\$14.20	\$0.00	\$51.50
	12/01/2016	\$28.05	\$10.00	\$14.20	\$0.00	\$52.25
	06/01/2017	\$28.65	\$10.00	\$14.20	\$0.00	\$52.85
	12/01/2017	\$29.26	\$10.00	\$14.20	\$0.00	\$53.46
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
OTHER POWER DRIVEN EQUIPMENT - CLASS II <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$41.10	\$10.00	\$14.20	\$0.00	\$65.30
	12/01/2014	\$42.09	\$10.00	\$14.20	\$0.00	\$66.29
	06/01/2015	\$42.83	\$10.00	\$14.20	\$0.00	\$67.03
	12/01/2015	\$44.07	\$10.00	\$14.20	\$0.00	\$68.27
	06/01/2016	\$44.82	\$10.00	\$14.20	\$0.00	\$69.02
	12/01/2016	\$46.05	\$10.00	\$14.20	\$0.00	\$70.25
	06/01/2017	\$47.04	\$10.00	\$14.20	\$0.00	\$71.24
	12/01/2017	\$48.03	\$10.00	\$14.20	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PAINTER (BRIDGES/TANKS) <i>PAINTERS LOCAL 35 - ZONE 2</i>	07/01/2014	\$46.76	\$7.85	\$16.10	\$0.00	\$70.71
	01/01/2015	\$47.66	\$7.85	\$16.10	\$0.00	\$71.61
	07/01/2015	\$48.56	\$7.85	\$16.10	\$0.00	\$72.51
	01/01/2016	\$49.51	\$7.85	\$16.10	\$0.00	\$73.46
	07/01/2016	\$50.46	\$7.85	\$16.10	\$0.00	\$74.41
	01/01/2017	\$51.41	\$7.85	\$16.10	\$0.00	\$75.36

**Apprentice - PAINTER Local 35 - BRIDGES/TANKS**

**Effective Date - 07/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.38	\$7.85	\$0.00	\$0.00	\$31.23
2	55	\$25.72	\$7.85	\$3.66	\$0.00	\$37.23
3	60	\$28.06	\$7.85	\$3.99	\$0.00	\$39.90
4	65	\$30.39	\$7.85	\$4.32	\$0.00	\$42.56
5	70	\$32.73	\$7.85	\$14.11	\$0.00	\$54.69
6	75	\$35.07	\$7.85	\$14.44	\$0.00	\$57.36
7	80	\$37.41	\$7.85	\$14.77	\$0.00	\$60.03
8	90	\$42.08	\$7.85	\$15.44	\$0.00	\$65.37

**Effective Date - 01/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.83	\$7.85	\$0.00	\$0.00	\$31.68
2	55	\$26.21	\$7.85	\$3.66	\$0.00	\$37.72
3	60	\$28.60	\$7.85	\$3.99	\$0.00	\$40.44
4	65	\$30.98	\$7.85	\$4.32	\$0.00	\$43.15
5	70	\$33.36	\$7.85	\$14.11	\$0.00	\$55.32
6	75	\$35.75	\$7.85	\$14.44	\$0.00	\$58.04
7	80	\$38.13	\$7.85	\$14.77	\$0.00	\$60.75
8	90	\$42.89	\$7.85	\$15.44	\$0.00	\$66.18

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
PAINTER (SPRAY OR SANDBLAST, NEW) *	07/01/2014	\$37.66	\$7.85	\$16.10	\$0.00	\$61.61
* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2	01/01/2015	\$38.56	\$7.85	\$16.10	\$0.00	\$62.51
	07/01/2015	\$39.46	\$7.85	\$16.10	\$0.00	\$63.41
	01/01/2016	\$40.41	\$7.85	\$16.10	\$0.00	\$64.36
	07/01/2016	\$41.36	\$7.85	\$16.10	\$0.00	\$65.31
	01/01/2017	\$42.31	\$7.85	\$16.10	\$0.00	\$66.26

**Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - New**

**Effective Date - 07/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.83	\$7.85	\$0.00	\$0.00	\$26.68
2	55	\$20.71	\$7.85	\$3.66	\$0.00	\$32.22
3	60	\$22.60	\$7.85	\$3.99	\$0.00	\$34.44
4	65	\$24.48	\$7.85	\$4.32	\$0.00	\$36.65
5	70	\$26.36	\$7.85	\$14.11	\$0.00	\$48.32
6	75	\$28.25	\$7.85	\$14.44	\$0.00	\$50.54
7	80	\$30.13	\$7.85	\$14.77	\$0.00	\$52.75
8	90	\$33.89	\$7.85	\$15.44	\$0.00	\$57.18

**Effective Date - 01/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.28	\$7.85	\$0.00	\$0.00	\$27.13
2	55	\$21.21	\$7.85	\$3.66	\$0.00	\$32.72
3	60	\$23.14	\$7.85	\$3.99	\$0.00	\$34.98
4	65	\$25.06	\$7.85	\$4.32	\$0.00	\$37.23
5	70	\$26.99	\$7.85	\$14.11	\$0.00	\$48.95
6	75	\$28.92	\$7.85	\$14.44	\$0.00	\$51.21
7	80	\$30.85	\$7.85	\$14.77	\$0.00	\$53.47
8	90	\$34.70	\$7.85	\$15.44	\$0.00	\$57.99

**Notes:**

Steps are 750 hrs.

**Apprentice to Journeyworker Ratio:1:1**

PAINTER (SPRAY OR SANDBLAST, REPAINT)	07/01/2014	\$35.72	\$7.85	\$16.10	\$0.00	\$59.67
PAINTERS LOCAL 35 - ZONE 2	01/01/2015	\$36.62	\$7.85	\$16.10	\$0.00	\$60.57
	07/01/2015	\$37.52	\$7.85	\$16.10	\$0.00	\$61.47
	01/01/2016	\$38.47	\$7.85	\$16.10	\$0.00	\$62.42
	07/01/2016	\$39.42	\$7.85	\$16.10	\$0.00	\$63.37
	01/01/2017	\$40.37	\$7.85	\$16.10	\$0.00	\$64.32

## Classification

Effective Date   Base Wage   Health   Pension   Supplemental  
Unemployment   Total Rate

## Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - Repaint

Effective Date - 07/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.86	\$7.85	\$0.00	\$0.00	\$25.71
2	55	\$19.65	\$7.85	\$3.66	\$0.00	\$31.16
3	60	\$21.43	\$7.85	\$3.99	\$0.00	\$33.27
4	65	\$23.22	\$7.85	\$4.32	\$0.00	\$35.39
5	70	\$25.00	\$7.85	\$14.11	\$0.00	\$46.96
6	75	\$26.79	\$7.85	\$14.44	\$0.00	\$49.08
7	80	\$28.58	\$7.85	\$14.77	\$0.00	\$51.20
8	90	\$32.15	\$7.85	\$15.44	\$0.00	\$55.44

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.31	\$7.85	\$0.00	\$0.00	\$26.16
2	55	\$20.14	\$7.85	\$3.66	\$0.00	\$31.65
3	60	\$21.97	\$7.85	\$3.99	\$0.00	\$33.81
4	65	\$23.80	\$7.85	\$4.32	\$0.00	\$35.97
5	70	\$25.63	\$7.85	\$14.11	\$0.00	\$47.59
6	75	\$27.47	\$7.85	\$14.44	\$0.00	\$49.76
7	80	\$29.30	\$7.85	\$14.77	\$0.00	\$51.92
8	90	\$32.96	\$7.85	\$15.44	\$0.00	\$56.25

## Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER (TRAFFIC MARKINGS)	06/01/2014	\$30.35	\$7.30	\$12.10	\$0.00	\$49.75
LABORERS - ZONE 2	12/01/2014	\$30.85	\$7.30	\$12.10	\$0.00	\$50.25
	06/01/2015	\$31.35	\$7.30	\$12.10	\$0.00	\$50.75
	12/01/2015	\$31.85	\$7.30	\$12.10	\$0.00	\$51.25
	06/01/2016	\$32.35	\$7.30	\$12.10	\$0.00	\$51.75
	12/01/2016	\$33.10	\$7.30	\$12.10	\$0.00	\$52.50
For Apprentice rates see "Apprentice- LABORER"						
PAINTER / TAPER (BRUSH, NEW) *	07/01/2014	\$36.26	\$7.85	\$16.10	\$0.00	\$60.21
* If 30% or more of surfaces to be painted are new construction,	01/01/2015	\$37.16	\$7.85	\$16.10	\$0.00	\$61.11
NEW paint rate shall be used. PAINTERS LOCAL 35 - ZONE 2	07/01/2015	\$38.06	\$7.85	\$16.10	\$0.00	\$62.01
	01/01/2016	\$39.01	\$7.85	\$16.10	\$0.00	\$62.96
	07/01/2016	\$39.96	\$7.85	\$16.10	\$0.00	\$63.91
	01/01/2017	\$40.91	\$7.85	\$16.10	\$0.00	\$64.86

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Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW

Effective Date - 07/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.13	\$7.85	\$0.00	\$0.00	\$25.98
2	55	\$19.94	\$7.85	\$3.66	\$0.00	\$31.45
3	60	\$21.76	\$7.85	\$3.99	\$0.00	\$33.60
4	65	\$23.57	\$7.85	\$4.32	\$0.00	\$35.74
5	70	\$25.38	\$7.85	\$14.11	\$0.00	\$47.34
6	75	\$27.20	\$7.85	\$14.44	\$0.00	\$49.49
7	80	\$29.01	\$7.85	\$14.77	\$0.00	\$51.63
8	90	\$32.63	\$7.85	\$15.44	\$0.00	\$55.92

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$18.58	\$7.85	\$0.00	\$0.00	\$26.43
2	55	\$20.44	\$7.85	\$3.66	\$0.00	\$31.95
3	60	\$22.30	\$7.85	\$3.99	\$0.00	\$34.14
4	65	\$24.15	\$7.85	\$4.32	\$0.00	\$36.32
5	70	\$26.01	\$7.85	\$14.11	\$0.00	\$47.97
6	75	\$27.87	\$7.85	\$14.44	\$0.00	\$50.16
7	80	\$29.73	\$7.85	\$14.77	\$0.00	\$52.35
8	90	\$33.44	\$7.85	\$15.44	\$0.00	\$56.73

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PAINTER / TAPER (BRUSH, REPAINT)	07/01/2014	\$34.32	\$7.85	\$16.10	\$0.00	\$58.27
PAINTERS LOCAL 35 - ZONE 2	01/01/2015	\$35.22	\$7.85	\$16.10	\$0.00	\$59.17
	07/01/2015	\$36.12	\$7.85	\$16.10	\$0.00	\$60.07
	01/01/2016	\$37.07	\$7.85	\$16.10	\$0.00	\$61.02
	07/01/2016	\$38.02	\$7.85	\$16.10	\$0.00	\$61.97
	01/01/2017	\$38.97	\$7.85	\$16.10	\$0.00	\$62.92



Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT

Effective Date - 07/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.16	\$7.85	\$0.00	\$0.00	\$25.01
2	55	\$18.88	\$7.85	\$3.66	\$0.00	\$30.39
3	60	\$20.59	\$7.85	\$3.99	\$0.00	\$32.43
4	65	\$22.31	\$7.85	\$4.32	\$0.00	\$34.48
5	70	\$24.02	\$7.85	\$14.11	\$0.00	\$45.98
6	75	\$25.74	\$7.85	\$14.44	\$0.00	\$48.03
7	80	\$27.46	\$7.85	\$14.77	\$0.00	\$50.08
8	90	\$30.89	\$7.85	\$15.44	\$0.00	\$54.18

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$17.61	\$7.85	\$0.00	\$0.00	\$25.46
2	55	\$19.37	\$7.85	\$3.66	\$0.00	\$30.88
3	60	\$21.13	\$7.85	\$3.99	\$0.00	\$32.97
4	65	\$22.89	\$7.85	\$4.32	\$0.00	\$35.06
5	70	\$24.65	\$7.85	\$14.11	\$0.00	\$46.61
6	75	\$26.42	\$7.85	\$14.44	\$0.00	\$48.71
7	80	\$28.18	\$7.85	\$14.77	\$0.00	\$50.80
8	90	\$31.70	\$7.85	\$15.44	\$0.00	\$54.99

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

PANEL & PICKUP TRUCKS DRIVER TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	12/01/2012	\$30.28	\$9.07	\$8.00	\$0.00	\$47.35
PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK)	08/01/2014	\$41.60	\$9.80	\$18.17	\$0.00	\$69.57
PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2015	\$43.10	\$9.80	\$18.17	\$0.00	\$71.07
PILE DRIVER	08/01/2014	\$41.60	\$9.80	\$18.17	\$0.00	\$69.57
PILE DRIVER LOCAL 56 (ZONE 1)	08/01/2015	\$43.10	\$9.80	\$18.17	\$0.00	\$71.07

Apprentice - PILE DRIVER - Local 56 Zone 1

Effective Date - 08/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.80	\$9.80	\$18.17	\$0.00	\$48.77
2	60	\$24.96	\$9.80	\$18.17	\$0.00	\$52.93
3	70	\$29.12	\$9.80	\$18.17	\$0.00	\$57.09
4	75	\$31.20	\$9.80	\$18.17	\$0.00	\$59.17
5	80	\$33.28	\$9.80	\$18.17	\$0.00	\$61.25
6	80	\$33.28	\$9.80	\$18.17	\$0.00	\$61.25
7	90	\$37.44	\$9.80	\$18.17	\$0.00	\$65.41
8	90	\$37.44	\$9.80	\$18.17	\$0.00	\$65.41

Effective Date - 08/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$21.55	\$9.80	\$18.17	\$0.00	\$49.52
2	60	\$25.86	\$9.80	\$18.17	\$0.00	\$53.83
3	70	\$30.17	\$9.80	\$18.17	\$0.00	\$58.14
4	75	\$32.33	\$9.80	\$18.17	\$0.00	\$60.30
5	80	\$34.48	\$9.80	\$18.17	\$0.00	\$62.45
6	80	\$34.48	\$9.80	\$18.17	\$0.00	\$62.45
7	90	\$38.79	\$9.80	\$18.17	\$0.00	\$66.76
8	90	\$38.79	\$9.80	\$18.17	\$0.00	\$66.76

Notes:

Apprentice to Journeyworker Ratio:1:3

PIPEFITTER & STEAMFITTER	09/01/2014	\$48.69	\$9.20	\$16.64	\$0.00	\$74.53
PIPEFITTERS LOCAL 537	03/01/2015	\$49.69	\$9.20	\$16.64	\$0.00	\$75.53
	09/01/2015	\$50.69	\$9.20	\$16.64	\$0.00	\$76.53
	03/01/2016	\$51.69	\$9.20	\$16.64	\$0.00	\$77.53
	09/01/2016	\$52.69	\$9.20	\$16.64	\$0.00	\$78.53
	03/01/2017	\$53.69	\$9.20	\$16.64	\$0.00	\$79.53

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
<b>Apprentice - PIPEFITTER - Local 537</b>						
<b>Effective Date - 09/01/2014</b>						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$19.48	\$9.20	\$7.50	\$0.00	\$36.18
2	45	\$21.91	\$9.20	\$16.64	\$0.00	\$47.75
3	60	\$29.21	\$9.20	\$16.64	\$0.00	\$55.05
4	70	\$34.08	\$9.20	\$16.64	\$0.00	\$59.92
5	80	\$38.95	\$9.20	\$16.64	\$0.00	\$64.79
<b>Effective Date - 03/01/2015</b>						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$19.88	\$9.20	\$7.50	\$0.00	\$36.58
2	45	\$22.36	\$9.20	\$16.64	\$0.00	\$48.20
3	60	\$29.81	\$9.20	\$16.64	\$0.00	\$55.65
4	70	\$34.78	\$9.20	\$16.64	\$0.00	\$60.62
5	80	\$39.75	\$9.20	\$16.64	\$0.00	\$65.59
<b>Notes:</b> ** 1:3; 3:15; 1:10 thereafter / Steps are 1 yr. Refrig/AC Mechanic **1:1;1:2;2:4;3:6;4:8;5:10;6:12;7:14;8:17;9:20;10:23(Max)						
<b>Apprentice to Journeyworker Ratio:**</b>						
<hr/>						
PIPELAYER LABORERS - ZONE 2		06/01/2014	\$30.60	\$7.30	\$12.10	\$50.00
		12/01/2014	\$31.10	\$7.30	\$12.10	\$50.50
		06/01/2015	\$31.60	\$7.30	\$12.10	\$51.00
		12/01/2015	\$32.10	\$7.30	\$12.10	\$51.50
		06/01/2016	\$32.60	\$7.30	\$12.10	\$52.00
		12/01/2016	\$33.35	\$7.30	\$12.10	\$52.75
For apprentice rates see "Apprentice- LABORER"						
PLUMBERS & GASFITTERS PLUMBERS & GASFITTERS LOCAL 12		09/01/2014	\$49.66	\$10.32	\$14.54	\$74.52
		03/01/2015	\$50.66	\$10.32	\$14.54	\$75.52
		09/01/2015	\$51.66	\$10.32	\$14.54	\$76.52
		03/01/2016	\$52.81	\$10.32	\$14.54	\$77.67
		09/01/2016	\$53.86	\$10.32	\$14.54	\$78.72
		03/01/2017	\$54.86	\$10.32	\$14.54	\$79.72

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
<b>Apprentice - PLUMBER/GASFITTER - Local 12</b>						
<b>Effective Date - 09/01/2014</b>						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$17.38	\$10.32	\$5.42	\$0.00	\$33.12
2	40	\$19.86	\$10.32	\$6.13	\$0.00	\$36.31
3	55	\$27.31	\$10.32	\$8.23	\$0.00	\$45.86
4	65	\$32.28	\$10.32	\$9.64	\$0.00	\$52.24
5	75	\$37.25	\$10.32	\$11.04	\$0.00	\$58.61
<b>Effective Date - 03/01/2015</b>						
Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$17.73	\$10.32	\$5.42	\$0.00	\$33.47
2	40	\$20.26	\$10.32	\$6.11	\$0.00	\$36.69
3	55	\$27.86	\$10.32	\$8.22	\$0.00	\$46.40
4	65	\$32.93	\$10.32	\$9.62	\$0.00	\$52.87
5	75	\$38.00	\$10.32	\$11.03	\$0.00	\$59.35
<b>Notes:</b> ** 1:2; 2:6; 3:10; 4:14; 5:19/Steps are 1 yr Step4 with lic\$55.42 Step5 with lic\$61.79						
<b>Apprentice to Journeyworker Ratio:**</b>						
<b>PNEUMATIC CONTROLS (TEMP.)</b>						
<i>PIPEFITTERS LOCAL 537</i>						
	09/01/2014	\$48.69	\$9.20	\$16.64	\$0.00	\$74.53
	03/01/2015	\$49.69	\$9.20	\$16.64	\$0.00	\$75.53
	09/01/2015	\$50.69	\$9.20	\$16.64	\$0.00	\$76.53
	03/01/2016	\$51.69	\$9.20	\$16.64	\$0.00	\$77.53
	09/01/2016	\$52.69	\$9.20	\$16.64	\$0.00	\$78.53
	03/01/2017	\$53.69	\$9.20	\$16.64	\$0.00	\$79.53
For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"						
<b>PNEUMATIC DRILL/TOOL OPERATOR</b>						
<i>LABORERS - ZONE 2</i>						
	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
<b>POWDERMAN &amp; BLASTER</b>						
<i>LABORERS - ZONE 2</i>						
	06/01/2014	\$31.35	\$7.30	\$12.10	\$0.00	\$50.75
	12/01/2014	\$31.85	\$7.30	\$12.10	\$0.00	\$51.25
	06/01/2015	\$32.35	\$7.30	\$12.10	\$0.00	\$51.75
	12/01/2015	\$32.85	\$7.30	\$12.10	\$0.00	\$52.25
	06/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
	12/01/2016	\$34.10	\$7.30	\$12.10	\$0.00	\$53.50
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$41.49	\$10.00	\$14.20	\$0.00	\$65.69
	12/01/2014	\$42.49	\$10.00	\$14.20	\$0.00	\$66.69
	06/01/2015	\$43.24	\$10.00	\$14.20	\$0.00	\$67.44
	12/01/2015	\$44.49	\$10.00	\$14.20	\$0.00	\$68.69
	06/01/2016	\$45.24	\$10.00	\$14.20	\$0.00	\$69.44
	12/01/2016	\$46.49	\$10.00	\$14.20	\$0.00	\$70.69
	06/01/2017	\$47.49	\$10.00	\$14.20	\$0.00	\$71.69
	12/01/2017	\$48.49	\$10.00	\$14.20	\$0.00	\$72.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$41.49	\$10.00	\$14.20	\$0.00	\$65.69
	12/01/2014	\$42.49	\$10.00	\$14.20	\$0.00	\$66.69
	06/01/2015	\$43.24	\$10.00	\$14.20	\$0.00	\$67.44
	12/01/2015	\$44.49	\$10.00	\$14.20	\$0.00	\$68.69
	06/01/2016	\$45.24	\$10.00	\$14.20	\$0.00	\$69.44
	12/01/2016	\$46.49	\$10.00	\$14.20	\$0.00	\$70.69
	06/01/2017	\$47.49	\$10.00	\$14.20	\$0.00	\$71.69
	12/01/2017	\$48.49	\$10.00	\$14.20	\$0.00	\$72.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$28.80	\$10.00	\$14.20	\$0.00	\$53.00
	12/01/2014	\$29.50	\$10.00	\$14.20	\$0.00	\$53.70
	06/01/2015	\$30.02	\$10.00	\$14.20	\$0.00	\$54.22
	12/01/2015	\$30.89	\$10.00	\$14.20	\$0.00	\$55.09
	06/01/2016	\$31.41	\$10.00	\$14.20	\$0.00	\$55.61
	12/01/2016	\$32.28	\$10.00	\$14.20	\$0.00	\$56.48
	06/01/2017	\$32.97	\$10.00	\$14.20	\$0.00	\$57.17
	12/01/2017	\$33.66	\$10.00	\$14.20	\$0.00	\$57.86
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
READY MIX CONCRETE DRIVERS after 4/30/10 (Drivers Hired After 4/30/2010) <i>TEAMSTERS LOCAL 25b</i>	07/01/2014	\$27.73	\$7.73	\$8.65	\$0.00	\$44.11
	05/01/2015	\$27.88	\$7.73	\$8.92	\$0.00	\$44.53
	07/01/2015	\$27.88	\$7.98	\$8.92	\$0.00	\$44.78
	05/01/2016	\$28.03	\$7.98	\$9.31	\$0.00	\$45.32
	07/01/2016	\$28.03	\$8.23	\$9.31	\$0.00	\$45.57
	05/01/2017	\$28.18	\$8.23	\$9.72	\$0.00	\$46.13
	07/01/2017	\$28.18	\$8.48	\$9.72	\$0.00	\$46.38
READY-MIX CONCRETE DRIVER <i>TEAMSTERS LOCAL 25b</i>	07/01/2014	\$29.03	\$7.73	\$8.65	\$0.00	\$45.41
	05/01/2015	\$29.18	\$7.73	\$8.92	\$0.00	\$45.83
	07/01/2015	\$29.18	\$7.98	\$8.92	\$0.00	\$46.08
	05/01/2016	\$29.33	\$7.98	\$9.31	\$0.00	\$46.62
	07/01/2016	\$29.33	\$8.23	\$9.31	\$0.00	\$46.87
	05/01/2017	\$29.48	\$8.23	\$9.72	\$0.00	\$47.43
	07/01/2017	\$29.48	\$8.48	\$9.72	\$0.00	\$47.68

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
RECLAIMERS	06/01/2014	\$41.10	\$10.00	\$14.20	\$0.00	\$65.30
OPERATING ENGINEERS LOCAL 4	12/01/2014	\$42.09	\$10.00	\$14.20	\$0.00	\$66.29
	06/01/2015	\$42.83	\$10.00	\$14.20	\$0.00	\$67.03
	12/01/2015	\$44.07	\$10.00	\$14.20	\$0.00	\$68.27
	06/01/2016	\$44.82	\$10.00	\$14.20	\$0.00	\$69.02
	12/01/2016	\$46.05	\$10.00	\$14.20	\$0.00	\$70.25
	06/01/2017	\$47.04	\$10.00	\$14.20	\$0.00	\$71.24
	12/01/2017	\$48.03	\$10.00	\$14.20	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

RESIDENTIAL WOOD FRAME (All Other Work)	04/01/2011	\$24.24	\$8.67	\$15.51	\$0.00	\$48.42
CARPENTERS -ZONE 2 (Residential Wood)						

RESIDENTIAL WOOD FRAME CARPENTER **	05/01/2011	\$24.24	\$6.34	\$6.23	\$0.00	\$36.81
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\*\* The Residential Wood Frame Carpenter classification applies only to the construction of new, wood frame residences that do not exceed four stories including the basement. CARPENTERS -ZONE 2 (Residential Wood)

As of 9/1/09 Carpentry work on wood-frame residential WEATHERIZATION projects shall be paid the RESIDENTIAL WOOD FRAME CARPENTER rate.

#### Apprentice - CARPENTER (Residential Wood Frame) - Zone 2

Effective Date - 05/01/2011

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$14.54	\$6.34	\$0.00	\$0.00	\$20.88
2	60	\$14.54	\$6.34	\$6.23	\$0.00	\$27.11
3	65	\$15.76	\$6.34	\$6.23	\$0.00	\$28.33
4	70	\$16.97	\$6.34	\$6.23	\$0.00	\$29.54
5	75	\$18.18	\$6.34	\$6.23	\$0.00	\$30.75
6	80	\$19.39	\$6.34	\$6.23	\$0.00	\$31.96
7	85	\$20.60	\$6.34	\$6.23	\$0.00	\$33.17
8	90	\$21.82	\$6.34	\$6.23	\$0.00	\$34.39

Notes:

Apprentice to Journeyworker Ratio:1:5

RIDE-ON MOTORIZED BUGGY OPERATOR	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
LABORERS - ZONE 2	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$41.10	\$10.00	\$14.20	\$0.00	\$65.30
	12/01/2014	\$42.09	\$10.00	\$14.20	\$0.00	\$66.29
	06/01/2015	\$42.83	\$10.00	\$14.20	\$0.00	\$67.03
	12/01/2015	\$44.07	\$10.00	\$14.20	\$0.00	\$68.27
	06/01/2016	\$44.82	\$10.00	\$14.20	\$0.00	\$69.02
	12/01/2016	\$46.05	\$10.00	\$14.20	\$0.00	\$70.25
	06/01/2017	\$47.04	\$10.00	\$14.20	\$0.00	\$71.24
	12/01/2017	\$48.03	\$10.00	\$14.20	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
ROOFER (Inc.Roofers Waterproofing &Roofers Damproofg) <i>ROOFERS LOCAL 33</i>	08/01/2014	\$39.21	\$10.50	\$11.60	\$0.00	\$61.31
	02/01/2015	\$40.11	\$10.50	\$11.60	\$0.00	\$62.21
	08/01/2015	\$41.01	\$10.50	\$11.60	\$0.00	\$63.11
	02/01/2016	\$41.91	\$10.50	\$11.60	\$0.00	\$64.01

**Apprentice - ROOFER - Local 33**

**Effective Date - 08/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$19.61	\$10.50	\$3.38	\$0.00	\$33.49
2	60	\$23.53	\$10.50	\$11.60	\$0.00	\$45.63
3	65	\$25.49	\$10.50	\$11.60	\$0.00	\$47.59
4	75	\$29.41	\$10.50	\$11.60	\$0.00	\$51.51
5	85	\$33.33	\$10.50	\$11.60	\$0.00	\$55.43

**Effective Date - 02/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$20.06	\$10.50	\$3.38	\$0.00	\$33.94
2	60	\$24.07	\$10.50	\$11.60	\$0.00	\$46.17
3	65	\$26.07	\$10.50	\$11.60	\$0.00	\$48.17
4	75	\$30.08	\$10.50	\$11.60	\$0.00	\$52.18
5	85	\$34.09	\$10.50	\$11.60	\$0.00	\$56.19

Notes: \*\* 1:5, 2:6-10, the 1:10; Reroofing: 1:4, then 1:1  
Step 1 is 2000 hrs.; Steps 2-5 are 1000 hrs.

**Apprentice to Journeyworker Ratio:\*\***

ROOFER SLATE / TILE / PRECAST CONCRETE <i>ROOFERS LOCAL 33</i>	08/01/2014	\$39.46	\$10.50	\$11.60	\$0.00	\$61.56
	02/01/2015	\$40.36	\$10.50	\$11.60	\$0.00	\$62.46
	08/01/2015	\$41.26	\$10.50	\$11.60	\$0.00	\$63.36
	02/01/2016	\$42.16	\$10.50	\$11.60	\$0.00	\$64.26
For apprentice rates see "Apprentice- ROOFER"						



Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
SHEETMETAL WORKER	08/01/2014	\$42.79	\$9.82	\$20.54	\$2.19	\$75.34
SHEETMETAL WORKERS LOCAL 17 - A	02/01/2015	\$43.69	\$9.82	\$20.54	\$2.19	\$76.24
	08/01/2015	\$44.69	\$9.82	\$20.54	\$2.19	\$77.24
	02/01/2016	\$45.69	\$9.82	\$20.54	\$2.19	\$78.24
	08/01/2016	\$46.84	\$9.82	\$20.54	\$2.19	\$79.39
	02/01/2017	\$47.94	\$9.82	\$20.54	\$2.19	\$80.49
	08/01/2017	\$49.04	\$9.82	\$20.54	\$2.19	\$81.59
	02/01/2018	\$50.19	\$9.82	\$20.54	\$2.19	\$82.74

Apprentice - SHEET METAL WORKER - Local 17-A

Effective Date - 08/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.12	\$9.82	\$4.58	\$0.00	\$31.52
2	40	\$17.12	\$9.82	\$4.58	\$0.00	\$31.52
3	45	\$19.26	\$9.82	\$9.09	\$1.15	\$39.32
4	45	\$19.26	\$9.82	\$9.09	\$1.15	\$39.32
5	50	\$21.40	\$9.82	\$9.91	\$1.23	\$42.36
6	50	\$21.40	\$9.82	\$10.16	\$1.24	\$42.62
7	60	\$25.67	\$9.82	\$11.55	\$1.41	\$48.45
8	65	\$27.81	\$9.82	\$12.38	\$1.50	\$51.51
9	75	\$32.09	\$9.82	\$14.02	\$1.68	\$57.61
10	85	\$36.37	\$9.82	\$15.16	\$1.84	\$63.19

Effective Date - 02/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$17.48	\$9.82	\$4.58	\$0.00	\$31.88
2	40	\$17.48	\$9.82	\$4.58	\$0.00	\$31.88
3	45	\$19.66	\$9.82	\$9.09	\$1.16	\$39.73
4	45	\$19.66	\$9.82	\$9.09	\$1.16	\$39.73
5	50	\$21.85	\$9.82	\$9.91	\$1.25	\$42.83
6	50	\$21.85	\$9.82	\$10.16	\$1.25	\$43.08
7	60	\$26.21	\$9.82	\$11.55	\$1.43	\$49.01
8	65	\$28.40	\$9.82	\$12.38	\$1.52	\$52.12
9	75	\$32.77	\$9.82	\$14.02	\$1.70	\$58.31
10	85	\$37.14	\$9.82	\$15.16	\$1.86	\$63.98

Notes:

Steps are 6 mos.

Apprentice to Journeyworker Ratio:1:4

SIGN ERECTOR	06/01/2013	\$25.81	\$7.07	\$7.05	\$0.00	\$39.93
PAINTERS LOCAL 35 - ZONE 2						



**Apprentice - SIGN ERECTOR - Local 35 Zone 2**

**Effective Date - 06/01/2013**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$12.91	\$7.07	\$0.00	\$0.00	\$19.98
2	55	\$14.20	\$7.07	\$2.45	\$0.00	\$23.72
3	60	\$15.49	\$7.07	\$2.45	\$0.00	\$25.01
4	65	\$16.78	\$7.07	\$2.45	\$0.00	\$26.30
5	70	\$18.07	\$7.07	\$7.05	\$0.00	\$32.19
6	75	\$19.36	\$7.07	\$7.05	\$0.00	\$33.48
7	80	\$20.65	\$7.07	\$7.05	\$0.00	\$34.77
8	85	\$21.94	\$7.07	\$7.05	\$0.00	\$36.06
9	90	\$23.23	\$7.07	\$7.05	\$0.00	\$37.35

**Notes:**

Steps are 4 mos.

**Apprentice to Journeyworker Ratio:1:1**

SPECIALIZED EARTH MOVING EQUIP < 35 TONS TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	08/01/2014	\$31.59	\$9.91	\$8.80	\$0.00	\$50.30
	12/01/2014	\$31.59	\$9.91	\$9.33	\$0.00	\$50.83
	06/01/2015	\$31.94	\$9.91	\$9.33	\$0.00	\$51.18
	08/01/2015	\$31.94	\$10.41	\$9.33	\$0.00	\$51.68
	12/01/2015	\$31.94	\$10.41	\$10.08	\$0.00	\$52.43
	06/01/2016	\$32.44	\$10.41	\$10.08	\$0.00	\$52.93
	08/01/2016	\$32.44	\$10.91	\$10.08	\$0.00	\$53.43
	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24
SPECIALIZED EARTH MOVING EQUIP > 35 TONS TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	08/01/2014	\$31.88	\$9.91	\$8.80	\$0.00	\$50.59
	12/01/2014	\$31.88	\$9.91	\$9.33	\$0.00	\$51.12
	06/01/2015	\$32.23	\$9.91	\$9.33	\$0.00	\$51.47
	08/01/2015	\$32.23	\$10.41	\$9.33	\$0.00	\$51.97
	12/01/2015	\$32.23	\$10.41	\$10.08	\$0.00	\$52.72
	06/01/2016	\$32.73	\$10.41	\$10.08	\$0.00	\$53.22
	08/01/2016	\$32.73	\$10.91	\$10.08	\$0.00	\$53.72
	12/01/2016	\$32.73	\$10.91	\$10.89	\$0.00	\$54.53
SPRINKLER FITTER SPRINKLER FITTERS LOCAL 550 - (Section A) Zone 1	10/01/2014	\$53.73	\$8.42	\$14.60	\$0.00	\$76.75
	01/01/2015	\$53.73	\$8.42	\$14.75	\$0.00	\$76.90
	03/01/2015	\$54.73	\$8.42	\$14.75	\$0.00	\$77.90
	10/01/2015	\$55.88	\$8.42	\$14.75	\$0.00	\$79.05
	01/01/2016	\$55.88	\$8.67	\$14.90	\$0.00	\$79.45
	03/01/2016	\$56.88	\$8.67	\$14.90	\$0.00	\$80.45
	10/01/2016	\$58.03	\$8.67	\$14.90	\$0.00	\$81.60
	03/01/2017	\$59.03	\$8.67	\$14.90	\$0.00	\$82.60

Issue Date: 11/26/2014

Wage Request Number: 20141126-014

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## Classification

Effective Date   Base Wage   Health   Pension   Supplemental  
Unemployment   Total RateApprentice - *SPRINKLER FITTER - Local 550 (Section A) Zone 1*

Effective Date - 10/01/2014

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$18.81	\$8.42	\$8.25	\$0.00	\$35.48
2	40	\$21.49	\$8.42	\$8.25	\$0.00	\$38.16
3	45	\$24.18	\$8.42	\$8.25	\$0.00	\$40.85
4	50	\$26.87	\$8.42	\$8.25	\$0.00	\$43.54
5	55	\$29.55	\$8.42	\$8.25	\$0.00	\$46.22
6	60	\$32.24	\$8.42	\$8.25	\$0.00	\$48.91
7	65	\$34.92	\$8.42	\$8.25	\$0.00	\$51.59
8	70	\$37.61	\$8.42	\$8.25	\$0.00	\$54.28
9	75	\$40.30	\$8.42	\$8.25	\$0.00	\$56.97
10	80	\$42.98	\$8.42	\$8.25	\$0.00	\$59.65

Effective Date - 01/01/2015

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	35	\$18.81	\$8.42	\$8.40	\$0.00	\$35.63
2	40	\$21.49	\$8.42	\$8.40	\$0.00	\$38.31
3	45	\$24.18	\$8.42	\$8.40	\$0.00	\$41.00
4	50	\$26.87	\$8.42	\$8.40	\$0.00	\$43.69
5	55	\$29.55	\$8.42	\$8.40	\$0.00	\$46.37
6	60	\$32.24	\$8.42	\$8.40	\$0.00	\$49.06
7	65	\$34.92	\$8.42	\$8.40	\$0.00	\$51.74
8	70	\$37.61	\$8.42	\$8.40	\$0.00	\$54.43
9	75	\$40.30	\$8.42	\$8.40	\$0.00	\$57.12
10	80	\$42.98	\$8.42	\$8.40	\$0.00	\$59.80

Notes: Apprentice entered prior 9/30/10:  
40/45/50/55/60/65/70/75/80/85  
Steps are 850 hours

Apprentice to Journeyworker Ratio:1:3

STEAM BOILER OPERATOR  
OPERATING ENGINEERS LOCAL 4

06/01/2014	\$41.10	\$10.00	\$14.20	\$0.00	\$65.30
12/01/2014	\$42.09	\$10.00	\$14.20	\$0.00	\$66.29
06/01/2015	\$42.83	\$10.00	\$14.20	\$0.00	\$67.03
12/01/2015	\$44.07	\$10.00	\$14.20	\$0.00	\$68.27
06/01/2016	\$44.82	\$10.00	\$14.20	\$0.00	\$69.02
12/01/2016	\$46.05	\$10.00	\$14.20	\$0.00	\$70.25
06/01/2017	\$47.04	\$10.00	\$14.20	\$0.00	\$71.24
12/01/2017	\$48.03	\$10.00	\$14.20	\$0.00	\$72.23

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN OPERATING ENGINEERS LOCAL 4	06/01/2014	\$41.10	\$10.00	\$14.20	\$0.00	\$65.30
	12/01/2014	\$42.09	\$10.00	\$14.20	\$0.00	\$66.29
	06/01/2015	\$42.83	\$10.00	\$14.20	\$0.00	\$67.03
	12/01/2015	\$44.07	\$10.00	\$14.20	\$0.00	\$68.27
	06/01/2016	\$44.82	\$10.00	\$14.20	\$0.00	\$69.02
	12/01/2016	\$46.05	\$10.00	\$14.20	\$0.00	\$70.25
	06/01/2017	\$47.04	\$10.00	\$14.20	\$0.00	\$71.24
	12/01/2017	\$48.03	\$10.00	\$14.20	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TELECOMMUNICATION TECHNICIAN ELECTRICIANS LOCAL 103	09/01/2014	\$33.59	\$13.00	\$13.36	\$0.00	\$59.95
	03/01/2015	\$33.88	\$13.00	\$13.70	\$0.00	\$60.58
	09/01/2015	\$34.60	\$13.00	\$13.72	\$0.00	\$61.32
	03/01/2016	\$35.31	\$13.00	\$13.74	\$0.00	\$62.05

**Apprentice - TELECOMMUNICATION TECHNICIAN - Local 103**

**Effective Date - 09/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$13.44	\$13.00	\$0.40	\$0.00	\$26.84
2	40	\$13.44	\$13.00	\$0.40	\$0.00	\$26.84
3	45	\$15.12	\$13.00	\$10.57	\$0.00	\$38.69
4	45	\$15.12	\$13.00	\$10.57	\$0.00	\$38.69
5	50	\$16.80	\$13.00	\$10.83	\$0.00	\$40.63
6	55	\$18.47	\$13.00	\$11.08	\$0.00	\$42.55
7	60	\$20.15	\$13.00	\$11.33	\$0.00	\$44.48
8	65	\$21.83	\$13.00	\$11.59	\$0.00	\$46.42
9	70	\$23.51	\$13.00	\$11.85	\$0.00	\$48.36
10	75	\$25.19	\$13.00	\$12.10	\$0.00	\$50.29

**Effective Date - 03/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	40	\$13.55	\$13.00	\$0.41	\$0.00	\$26.96
2	40	\$13.55	\$13.00	\$0.41	\$0.00	\$26.96
3	45	\$15.25	\$13.00	\$10.87	\$0.00	\$39.12
4	45	\$15.25	\$13.00	\$10.87	\$0.00	\$39.12
5	50	\$16.94	\$13.00	\$11.13	\$0.00	\$41.07
6	55	\$18.63	\$13.00	\$11.38	\$0.00	\$43.01
7	60	\$20.33	\$13.00	\$11.64	\$0.00	\$44.97
8	65	\$22.02	\$13.00	\$11.89	\$0.00	\$46.91
9	70	\$23.72	\$13.00	\$12.15	\$0.00	\$48.87
10	75	\$25.41	\$13.00	\$12.41	\$0.00	\$50.82

Notes:

Apprentice to Journeyworker Ratio:1:1

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TERRAZZO FINISHERS	08/01/2014	\$47.90	\$10.18	\$18.22	\$0.00	\$76.30
BRICKLAYERS LOCAL 3 - MARBLE & TILE	02/01/2015	\$48.46	\$10.18	\$18.22	\$0.00	\$76.86
	08/01/2015	\$49.36	\$10.18	\$18.29	\$0.00	\$77.83
	02/01/2016	\$49.93	\$10.18	\$18.29	\$0.00	\$78.40
	08/01/2016	\$50.83	\$10.18	\$18.37	\$0.00	\$79.38
	02/01/2017	\$51.40	\$10.18	\$18.37	\$0.00	\$79.95

**Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile**

**Effective Date - 08/01/2014**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$23.95	\$10.18	\$18.22	\$0.00	\$52.35
2	60	\$28.74	\$10.18	\$18.22	\$0.00	\$57.14
3	70	\$33.53	\$10.18	\$18.22	\$0.00	\$61.93
4	80	\$38.32	\$10.18	\$18.22	\$0.00	\$66.72
5	90	\$43.11	\$10.18	\$18.22	\$0.00	\$71.51

**Effective Date - 02/01/2015**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	50	\$24.23	\$10.18	\$18.22	\$0.00	\$52.63
2	60	\$29.08	\$10.18	\$18.22	\$0.00	\$57.48
3	70	\$33.92	\$10.18	\$18.22	\$0.00	\$62.32
4	80	\$38.77	\$10.18	\$18.22	\$0.00	\$67.17
5	90	\$43.61	\$10.18	\$18.22	\$0.00	\$72.01

Notes:

Apprentice to Journeyworker Ratio:1:3

TEST BORING DRILLER	06/01/2014	\$35.45	\$7.30	\$12.90	\$0.00	\$55.65
LABORERS - FOUNDATION AND MARINE	12/01/2014	\$36.20	\$7.30	\$12.90	\$0.00	\$56.40
	06/01/2015	\$36.95	\$7.30	\$12.90	\$0.00	\$57.15
	12/01/2015	\$37.70	\$7.30	\$12.90	\$0.00	\$57.90
	06/01/2016	\$38.45	\$7.30	\$12.90	\$0.00	\$58.65
	12/01/2016	\$39.45	\$7.30	\$12.90	\$0.00	\$59.65

For apprentice rates see "Apprentice- LABORER"

TEST BORING DRILLER HELPER	06/01/2014	\$34.17	\$7.30	\$12.90	\$0.00	\$54.37
LABORERS - FOUNDATION AND MARINE	12/01/2014	\$34.92	\$7.30	\$12.90	\$0.00	\$55.12
	06/01/2015	\$35.67	\$7.30	\$12.90	\$0.00	\$55.87
	12/01/2015	\$36.42	\$7.30	\$12.90	\$0.00	\$56.62
	06/01/2016	\$37.17	\$7.30	\$12.90	\$0.00	\$57.37
	12/01/2016	\$38.17	\$7.30	\$12.90	\$0.00	\$58.37

For apprentice rates see "Apprentice- LABORER"

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i>	06/01/2014	\$34.05	\$7.30	\$12.90	\$0.00	\$54.25
	12/01/2014	\$34.80	\$7.30	\$12.90	\$0.00	\$55.00
	06/01/2015	\$35.55	\$7.30	\$12.90	\$0.00	\$55.75
	12/01/2015	\$36.30	\$7.30	\$12.90	\$0.00	\$56.50
	06/01/2016	\$37.05	\$7.30	\$12.90	\$0.00	\$57.25
	12/01/2016	\$38.05	\$7.30	\$12.90	\$0.00	\$58.25
For apprentice rates see "Apprentice- LABORER"						
TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i>	06/01/2014	\$41.10	\$10.00	\$14.20	\$0.00	\$65.30
	12/01/2014	\$42.09	\$10.00	\$14.20	\$0.00	\$66.29
	06/01/2015	\$42.83	\$10.00	\$14.20	\$0.00	\$67.03
	12/01/2015	\$44.07	\$10.00	\$14.20	\$0.00	\$68.27
	06/01/2016	\$44.82	\$10.00	\$14.20	\$0.00	\$69.02
	12/01/2016	\$46.05	\$10.00	\$14.20	\$0.00	\$70.25
	06/01/2017	\$47.04	\$10.00	\$14.20	\$0.00	\$71.24
	12/01/2017	\$48.03	\$10.00	\$14.20	\$0.00	\$72.23
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i>	08/01/2014	\$32.17	\$9.91	\$8.80	\$0.00	\$50.88
	12/01/2014	\$32.17	\$9.91	\$9.33	\$0.00	\$51.41
	06/01/2015	\$32.52	\$9.91	\$9.33	\$0.00	\$51.76
	08/01/2015	\$32.52	\$10.41	\$9.33	\$0.00	\$52.26
	12/01/2015	\$32.52	\$10.41	\$10.08	\$0.00	\$53.01
	06/01/2016	\$33.02	\$10.41	\$10.08	\$0.00	\$53.51
	08/01/2016	\$33.02	\$10.91	\$10.08	\$0.00	\$54.01
	12/01/2016	\$33.02	\$10.91	\$10.89	\$0.00	\$54.82
TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i>	06/01/2014	\$46.33	\$7.30	\$13.30	\$0.00	\$66.93
	12/01/2014	\$47.08	\$7.30	\$13.30	\$0.00	\$67.68
	06/01/2015	\$47.83	\$7.30	\$13.30	\$0.00	\$68.43
	12/01/2015	\$48.58	\$7.30	\$13.30	\$0.00	\$69.18
	06/01/2016	\$49.33	\$7.30	\$13.30	\$0.00	\$69.93
	12/01/2016	\$50.33	\$7.30	\$13.30	\$0.00	\$70.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i>	06/01/2014	\$48.33	\$7.30	\$13.30	\$0.00	\$68.93
	12/01/2014	\$49.08	\$7.30	\$13.30	\$0.00	\$69.68
	06/01/2015	\$49.83	\$7.30	\$13.30	\$0.00	\$70.43
	12/01/2015	\$50.58	\$7.30	\$13.30	\$0.00	\$71.18
	06/01/2016	\$51.33	\$7.30	\$13.30	\$0.00	\$71.93
	12/01/2016	\$52.33	\$7.30	\$13.30	\$0.00	\$72.93
For apprentice rates see "Apprentice- LABORER"						
TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i>	06/01/2014	\$38.40	\$7.30	\$13.30	\$0.00	\$59.00
	12/01/2014	\$39.15	\$7.30	\$13.30	\$0.00	\$59.75
	06/01/2015	\$39.90	\$7.30	\$13.30	\$0.00	\$60.50
	12/01/2015	\$40.65	\$7.30	\$13.30	\$0.00	\$61.25
	06/01/2016	\$41.40	\$7.30	\$13.30	\$0.00	\$62.00
	12/01/2016	\$42.40	\$7.30	\$13.30	\$0.00	\$63.00
For apprentice rates see "Apprentice- LABORER"						

Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
TUNNEL WORK - FREE AIR (HAZ. WASTE) LABORERS (FREE AIR TUNNEL)	06/01/2014	\$40.40	\$7.30	\$13.30	\$0.00	\$61.00
	12/01/2014	\$41.15	\$7.30	\$13.30	\$0.00	\$61.75
	06/01/2015	\$41.90	\$7.30	\$13.30	\$0.00	\$62.50
	12/01/2015	\$42.65	\$7.30	\$13.30	\$0.00	\$63.25
	06/01/2016	\$43.40	\$7.30	\$13.30	\$0.00	\$64.00
	12/01/2016	\$44.40	\$7.30	\$13.30	\$0.00	\$65.00
For apprentice rates see "Apprentice- LABORER"						
VAC-HAUL TEAMSTERS JOINT COUNCIL NO. 10 ZONE B	08/01/2014	\$31.59	\$9.91	\$8.80	\$0.00	\$50.30
	12/01/2014	\$31.59	\$9.91	\$9.33	\$0.00	\$50.83
	06/01/2015	\$31.94	\$9.91	\$9.33	\$0.00	\$51.18
	08/01/2015	\$31.94	\$10.41	\$9.33	\$0.00	\$51.68
	12/01/2015	\$31.94	\$10.41	\$10.08	\$0.00	\$52.43
	06/01/2016	\$32.44	\$10.41	\$10.08	\$0.00	\$52.93
	08/01/2016	\$32.44	\$10.91	\$10.08	\$0.00	\$53.43
	12/01/2016	\$32.44	\$10.91	\$10.89	\$0.00	\$54.24
WAGON DRILL OPERATOR LABORERS - ZONE 2	06/01/2014	\$30.60	\$7.30	\$12.10	\$0.00	\$50.00
	12/01/2014	\$31.10	\$7.30	\$12.10	\$0.00	\$50.50
	06/01/2015	\$31.60	\$7.30	\$12.10	\$0.00	\$51.00
	12/01/2015	\$32.10	\$7.30	\$12.10	\$0.00	\$51.50
	06/01/2016	\$32.60	\$7.30	\$12.10	\$0.00	\$52.00
	12/01/2016	\$33.35	\$7.30	\$12.10	\$0.00	\$52.75
For apprentice rates see "Apprentice- LABORER"						
WASTE WATER PUMP OPERATOR OPERATING ENGINEERS LOCAL 4	06/01/2014	\$41.49	\$10.00	\$14.20	\$0.00	\$65.69
	12/01/2014	\$42.49	\$10.00	\$14.20	\$0.00	\$66.69
	06/01/2015	\$43.24	\$10.00	\$14.20	\$0.00	\$67.44
	12/01/2015	\$44.49	\$10.00	\$14.20	\$0.00	\$68.69
	06/01/2016	\$45.24	\$10.00	\$14.20	\$0.00	\$69.44
	12/01/2016	\$46.49	\$10.00	\$14.20	\$0.00	\$70.69
	06/01/2017	\$47.49	\$10.00	\$14.20	\$0.00	\$71.69
	12/01/2017	\$48.49	\$10.00	\$14.20	\$0.00	\$72.69
For apprentice rates see "Apprentice- OPERATING ENGINEERS"						
WATER METER INSTALLER PLUMBERS & GASFITTERS LOCAL 12	09/01/2014	\$49.66	\$10.32	\$14.54	\$0.00	\$74.52
	03/01/2015	\$50.66	\$10.32	\$14.54	\$0.00	\$75.52
	09/01/2015	\$51.66	\$10.32	\$14.54	\$0.00	\$76.52
	03/01/2016	\$52.81	\$10.32	\$14.54	\$0.00	\$77.67
	09/01/2016	\$53.86	\$10.32	\$14.54	\$0.00	\$78.72
	03/01/2017	\$54.86	\$10.32	\$14.54	\$0.00	\$79.72
For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER"						
<b>Outside Electrical - East</b>						
CABLE TECHNICIAN (Power Zone) OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104	09/01/2013	\$25.66	\$8.70	\$4.48	\$0.00	\$38.84
For apprentice rates see "Apprentice- LINEMAN"						
CABLEMAN (Underground Ducts & Cables) OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104	09/01/2013	\$36.55	\$8.70	\$6.58	\$0.00	\$51.83
For apprentice rates see "Apprentice- LINEMAN"						
DRIVER / GROUNDMAN CDL OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104	09/01/2013	\$29.94	\$8.70	\$6.05	\$0.00	\$44.69
For apprentice rates see "Apprentice- LINEMAN"						

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
DRIVER / GROUNDMAN -Inexperienced (<2000 Hrs) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$23.52	\$8.70	\$5.24	\$0.00	\$37.46
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class A CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$36.35	\$8.70	\$9.43	\$0.00	\$54.48
For apprentice rates see "Apprentice- LINEMAN"						
EQUIPMENT OPERATOR (Class B CDL) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$32.08	\$8.70	\$6.59	\$0.00	\$47.37
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$23.52	\$8.70	\$3.72	\$0.00	\$35.94
For apprentice rates see "Apprentice- LINEMAN"						
GROUNDMAN -Inexperienced (<2000 Hrs.) <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$19.25	\$8.70	\$2.85	\$0.00	\$30.80
For apprentice rates see "Apprentice- LINEMAN"						
JOURNEYMAN LINEMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	09/01/2013	\$42.77	\$8.70	\$11.78	\$0.00	\$63.25

**Apprentice - LINEMAN (Outside Electrical) - East Local 104**

**Effective Date - 09/01/2013**

Step	percent	Apprentice Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
1	60	\$25.66	\$8.70	\$4.24	\$0.00	\$38.60
2	65	\$27.80	\$8.70	\$4.71	\$0.00	\$41.21
3	70	\$29.94	\$8.70	\$5.43	\$0.00	\$44.07
4	75	\$32.08	\$8.70	\$6.16	\$0.00	\$46.94
5	80	\$34.22	\$8.70	\$6.88	\$0.00	\$49.80
6	85	\$36.35	\$8.70	\$7.62	\$0.00	\$52.67
7	90	\$38.49	\$8.70	\$8.83	\$0.00	\$56.02

Notes:

Apprentice to Journeyworker Ratio:1:2

TELEDATA CABLE SPLICER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$26.33	\$4.18	\$2.79	\$0.00	\$33.30
TELEDATA LINEMAN/EQUIPMENT OPERATOR <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$24.78	\$4.18	\$2.74	\$0.00	\$31.70
TELEDATA WIREMAN/INSTALLER/TECHNICIAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	07/16/2012	\$24.78	\$4.18	\$2.74	\$0.00	\$31.70
TREE TRIMMER <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	01/29/2012	\$17.18	\$3.37	\$0.00	\$0.00	\$20.55
This classification applies only to tree work done: (a) for a utility company, R.E.A. cooperative, or railroad or coal mining company, and (b) for the purpose of operating, maintaining, or repairing the utility company's equipment, and (c) by a person who is using hand or mechanical cutting methods and is not on the ground. This classification does not apply to wholesale tree removal.						
TREE TRIMMER GROUNDMAN <i>OUTSIDE ELECTRICAL WORKERS - EAST LOCAL 104</i>	01/29/2012	\$15.15	\$3.37	\$0.00	\$0.00	\$18.52
This classification applies only to tree work done: (a) for a utility company, R.E.A. cooperative, or railroad or coal mining company, and (b) for the purpose of operating, maintaining, or repairing the utility company's equipment, and (c) by a person who is using hand or mechanical cutting methods and is on the ground. This classification does not apply to wholesale tree removal.						

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Classification	Effective Date	Base Wage	Health	Pension	Supplemental Unemployment	Total Rate
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**Additional Apprentice Information:**

Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the pre-determined hourly wage rate established by the Commissioner under the provisions of the M.G.L. c. 149, ss. 26-27D. Apprentice ratios are established by the Division of Apprenticeship Training pursuant to M.G.L. c. 23, ss. 11E-11L.

All apprentices must be registered with the Division of Apprenticeship Training in accordance with M.G.L. c. 23, ss. 11E-11L.

All steps are six months (1000 hours.)

Ratios are expressed in allowable number of apprentices to journeymen or fraction thereof, unless otherwise specified.

\*\* Multiple ratios are listed in the comment field.

\*\*\* APP to JM; 1:1, 2:2, 2:3, 3:4, 4:4, 4:5, 4:6, 5:7, 6:7, 6:8, 6:9, 7:10, 8:10, 8:11, 8:12, 9:13, 10:13, 10:14, etc.

\*\*\*\* APP to JM; 1:1, 1:2, 2:3, 2:4, 3:5, 4:6, 4:7, 5:8, 6:9, 6:10, 7:11, 8:12, 8:13, 9:14, 10:15, 10:16, etc.

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# **The Massachusetts Prevailing Wage Law**

## **M.G.L. ch. 149, §§ 26 – 27**

### **NOTICE TO AWARDING AUTHORITIES**

- The enclosed wage schedule applies only to the specific project listed at the top and will be updated for any public construction project lasting longer than one (1) year.
- You should request an updated wage schedule from the Division of Occupational Safety if you have not opened bids or selected a contractor within 90 days of the date of issuance of the enclosed wage schedule.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project for which it has been issued.
- Once a contractor has been selected by the awarding authority, the wage schedule shall be made a part of the contract for that project.

### **NOTICE TO CONTRACTORS**

- The enclosed wage schedule, and any updated schedule, must be posted in a conspicuous place at the work site during the life of the project.
- The wages listed on the enclosed wage schedule must be paid to employees on public works projects regardless of whether they are employed by the prime contractor, a filed sub-bidder, or any sub-contractor.
- The enclosed wage schedule applies to all phases of the project including the final clean-up. Contractors whose only role is to perform final clean-up must pay their employees according to this wage schedule.
- All apprentices must be registered with the Massachusetts Division of Apprentice Training in order to be paid at the reduced apprentice rates. If a worker is not registered with the Division of Apprentice Training, they must be paid the “total rate” listed on the wage schedule regardless of experience or skill level. For further information, please call (617) 727-3486 or write to the Division of Apprentice Training, 399 Washington Street, 4th Floor, Boston, MA 02108

# WEEKLY PAYROLL RECORDS REPORT

## & STATEMENT OF COMPLIANCE

In accordance with Massachusetts General Law c149, §27B, a true and accurate record must be kept of all persons employed on the public works project for which the enclosed rates have been provided. A Payroll Form has been printed on the reverse of this page and includes all the information required to be kept by law. Every contractor or subcontractor is required to keep these records and preserve them for a period of three years from the date of completion of the contract.

In addition, every contractor and subcontractor is required to submit a copy of their weekly payroll records to the awarding authority. This is required to be done on a weekly basis. Once collected, the awarding authority is also required to preserve those records for three years.

In addition, each such contractor, subcontractor or public body shall furnish to the Department of Labor & Workforce Development/Division of Occupational Safety within fifteen days after completion of its portion of the work a statement, executed by the contractor, subcontractor or public body who supervises the payment of wages, in the following form:

## STATEMENT OF COMPLIANCE

\_\_\_\_\_, 2014

I, \_\_\_\_\_,

(Name of signatory party) (Title)

do hereby state:

That I pay or supervise the payment of the persons employed by

\_\_\_\_\_ on the \_\_\_\_\_

(Contractor, subcontractor or public body) (Building or project)

and that all mechanics and apprentices, teamsters, chauffeurs and laborers employed on said project have been paid in accordance with wages determined under the provisions of sections twenty-six and twenty-seven of chapter one hundred and forty nine of the General Laws.

Signature \_\_\_\_\_

Title \_\_\_\_\_

DIVISION OF OCCUPATIONAL SAFETY, 399 WASHINGTON STREET, 5<sup>th</sup> FL., BOSTON, MA. 02108

Company Name:

### Prime Contractor

Project Name:

Subcontractor

Awarding Auth.:

List Prime Contractor:

Work Week Ending:

Employer Signature:

Print Name &amp; Title:

[illegible]

NOTE: Every contractor and subcontractor is required to submit a copy of their weekly payroll records to the awarding authority.

# End of Section

Section 04 81 00  
UNIT MASONRY ASSEMBLIES

PART 1 - GENERAL

1. SECTION INCLUDES

- A. Furnish and install:
  - 1. Interior 3 hour rated concrete masonry units. Width to match existing,
  - 2. Reinforcing, ties, anchors, and other metal accessories, for anchoring unit masonry together and to other materials.
- B. Place, install and build-in, as work progresses, the following products and materials furnished under the indicated Sections:
  - 1. Steel lintels furnished by Section 05 50 00 - METAL FABRICATIONS.
- C. Clean and point exposed to view surface masonry.

2. Related SECTIONS

- A. Perform testing of masonry, mortar and grout specified herein.
- B. METAL FABRICATIONS: Steel lintels and support angles at masonry openings.
- C. ROUGH CARPENTRY: Setting and temporary bracing of hollow metal frames occurring in masonry, and removal of temporary centering when frames have been built into the masonry.

3. References

- A. Comply with applicable requirements of the following standards and those others referenced in this Section, under the provisions of Section 01420 - REFERENCES. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.
  - 1. American Concrete Institute (ACI) and American Society of Civil Engineers (ASCE): ACI 530.1/ASCE 6 - "Specifications for Masonry Structures"
  - 2. ASTM A 36 - Structural Steel.
  - 3. ASTM A 82 - Steel Web, Plain, for Concrete Reinforcement.
  - 4. ASTM A 123 - Zinc (Hot-Dip Galvanized) Coating on Iron and Steel Products.
  - 5. ASTM A 153 - Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
  - 6. ASTM A 497 - Welded Wire Fabric; Deformed, for Concrete Reinforcement.
  - 7. ASTM A 641 - Zinc-Coated (Galvanized) Carbon Steel Wire.
  - 8. ASTM B 117 - Salt Spray (Fog) Testing.
  - 9. ASTM B 633 - Electrodeposited Coatings of Zinc on Iron and Steel.
  - 10. ASTM C 5 - Quicklime for Structural Purposes.
  - 11. ASTM C 55 - Concrete Building Brick.
  - 12. ASTM C 62 - Building Brick.
  - 13. ASTM C 67 - Sampling and Testing Brick and Structural Clay Tile.
  - 14. ASTM C 91 - Masonry Cement.
  - 15. ASTM C 144 - Aggregate for Masonry Mortar.
  - 16. ASTM C 150 - Portland Cement.
  - 17. ASTM C 207 - Hydrated Lime for Masonry Purposes.

18. ASTM C 216 - Facing Brick.
19. ASTM C 270 - Mortar for Unit Masonry.
20. ASTM C 387 - Packaged, Dry, Combined Materials, for Mortar and Concrete.
21. ASTM C 595 - Blended Hydraulic Cement.
22. ASTM C 652 - Hollow Brick (Hollow Masonry Units Made From Clay or Shale).
23. ASTM C 780 - Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry.
24. ASTM C 1019 - Method of Sampling and Testing Grout.
25. ASTM C 1072 - Method for Measurement of Masonry Flexural Bond Strength
26. ASTM C 1142 - Ready-Mix Mortar for Unit Masonry.
27. ASTM D 1056 - Flexible Cellular Materials - Sponge or Expanded Rubber.
28. ASTM D 2000 - Classification System for Rubber Products.
29. ASTM E 119 - Fire Tests of Building Construction and Materials.
30. ASTM E 447 - Compressive Strength of Masonry Prisms.
31. ASTM E 488 - Strength of Anchors in Concrete and Masonry Elements.
32. ASTM E 518 - Test Method for Flexural Bond Strength of Masonry.
33. American National Standards Institute Building Code requirements.
34. MCAA – Hot and Cold Weather Masonry Construction.

B. The following reference materials are hereby made a part of this Section by reference thereto:

1. BIA applicable Technical Notes, Research Reports and Standards, including, but not limited to the following
  - a. BIA Research Report Number 15 – Causes and Control of Efflorescence in Brickwork.
  - b. BIA Technical Notes, Number 20 - Cleaning Brick Masonry.
2. IMI: Masonry Construction Guide Manual.

#### 4. Submittals

A. Submit the following:

1. Literature: Manufacturer's product data sheets, specifications, performance data, physical properties for each item furnished hereunder.
2. Material certificates: Provide for the following, signed by manufacturer and Contractor certifying that each material complies with requirements.
  - a. Each different cement product required for mortar and grout, including name of manufacturer, brand, type, and weight slips at time of delivery.
  - b. Mortar complying with property requirements of ASTM C 270.
  - c. Grout mixes: Include description of type and proportions of grout ingredients.
  - d. Masonry units; report for tests performed within the previous six months.
3. Verification samples:
  - a. Samples of each masonry accessory or anchorage item required.
  - b. Concrete masonry units.
  - c. Mortar Components.

#### 5. Quality Assurance

- A. Company specializing in work described in the above listed individual specification Sections with minimum 5 years documented experience.



- B. Single-source responsibility for facing units: Obtain exposed masonry units of uniform texture and color, or a uniform blend within the ranges accepted for these characteristics, from one manufacturer for each different product required for each continuous surface or visually related surfaces.
  - C. Single-source responsibility for mortar materials: Obtain mortar ingredients of uniform quality, including color for exposed masonry, from one manufacturer for each cementitious component and from one source and producer for each aggregate.
6. Regulatory Requirements
- A. Obtain certificate of compliance from authority having jurisdiction indicating approval of specified products.
7. Pre-Installation Conference
- A. At least two weeks prior to commencing the work of this Section, conduct a pre-installation conference at the Project site. Coordinate time of meeting to occur prior to installation of work under the related sections named below.
    - 1. Required attendees: Owner's Representative, Architect, Contractor, Masonry Filed-subcontractor's Project Superintendent, and representatives of other related trades as directed by the Architect or Contractor, and representatives for installers of related work specified under the following Sections:
    - 2. Agenda:
      - a. Scheduling of masonry operations.
      - b. Review of staging and material storage locations.
      - c. Coordination of work by other trades.
      - d. Protection of completed Work.
8. Delivery, Storage, and Handling
- A. General: Do not deliver cement, lime, and similar perishable materials to the site until suitable storage is available. Store such materials in weatherproof structures, and ensure that materials are in perfectly fresh condition when brought for use. Protect masonry units and manufactured products of all types from wetting by rain or snow, and keep covered when not in use.
  - B. Masonry face units: Handle all masonry units carefully in transit and on the site, so as to keep units whole, with edges sharp, and faces clean and undamaged. Deliver all masonry units on pallets; or handle units individually, and properly stack same.
  - C. Aggregates: Deliver, store and handle aggregate materials so as to prevent contamination with earth or other foreign materials.
    - 1. Store cement, lime and similar products under cover and from direct contact with earth or floor slabs.
  - D. Manufactured items: Deliver manufactured products in original containers plainly marked with product identification and manufacturer's name.
    - 1. Store metal accessories and the like under cover and from direct contact with ground, and in manner to prevent rust.
  - E. Damaged material: Remove any damaged or contaminated materials from job site immediately, including materials in broken packages, packages containing water marks, or which show other evidence of damage, unless Architect specifically authorizes correction thereof and usage on project.
9. Environmental Conditions (NA)
10. Sequencing
- A. Do not order or deliver any materials until all submittals, required in the listed Specification Sections included as part of this Filed-Subcontract, have been received and approved by the Architect.

- B. Before proceeding with installation work, inspect all project conditions and all work of other trades to assure that all such conditions and work are suitable to satisfactorily receive the work of this Section and notify the Architect in writing of any which are not. Do not proceed further until corrective work has been completed or waived.

11. Coordination

- A. Coordinate work of this subcontract with that of other trades, affecting or affected by this work, and cooperate with the other trades as is necessary to assure the steady progress of work including Owner provided Subcontractor..
- B. Coordinate work with that of other trades which require placement of, anchor bolts, wood blocking, hollow metal frames, and anchorage items.
- C. Examine all Drawings as to requirements for the accommodation of work of other trades. Provide all required recesses, chases, slots, and cutouts. Place anchors, bolts, sleeves and other items occurring in the masonry work. Take every precaution to minimize future cutting and patching. Closely coordinate the location and placement of such items.

PART 2 - PRODUCTS

1. Architectural concrete masonry units

- A. Architectural concrete masonry units: Architectural concrete masonry unit sizes are to match existing size and texture so that when completed and painted the added CMU will not be noticeable.
  - 1. Minimum allowable compressive strength for an individual unit of not less than 1700 psi (net area); and not less than 1900 psi. (net area) for average of 3 units; when tested in accordance with ASTM C 140.

2. Mortar

- A. Mortar: Site-mixed portland cement mortar complying with ASTM C 270 as specified herein.
  - 1. Admixtures are not permitted except where expressly specified herein or as otherwise approved by Architect/Engineer for specific field conditions.
  - 2. Texture: As approved by the Architect.
- B. Mortar materials for site mixed mortar:
  - 1. Portland cement for masonry conforming to ASTM C 150, Type I, non-staining, without air entrainment.
  - 2. Aggregates for CMU mortar: Clean sand, washed uniformly well graded, conforming to ASTM C 144.
  - 3. Aggregates for grout: Conforming to ASTM C 144 for fine aggregate and ASTM C 404, Size 8 or 89.
  - 4. Lime: Approved brand of plastic hydrated lime, conforming to ASTM C 207, Type "S".
  - 5. Water: Clean and fresh without contaminants.
- C. Mortar types:
  - 1. Mortar for non-load bearing masonry above grade: ASTM C 270 type N using the property specification.

3. Accessories

- A. Cleaning solution: Non-acidic, not harmful to masonry work or adjacent materials.
- B. Metal Anchorage Devices and Fasteners.

4. Scaffolds and staging (NA)

5. Mixing Mortars and Grout

- A. General: Mix mortar and grout in accordance with the requirements of ASTM C270, and ASTM C476 as applicable.

1. Control batching procedure to ensure proper proportions by measuring materials by volume. Amount of mixing water and mortar consistency shall be controlled by mason.
  2. Control batch sizes to allow for use within manufacturer's recommended pot life.
  3. Retempering will be permitted only within the first two hours of initial mix or shorter times as directed by manufacturers.
  4. Discard all mortar and grout which exceeds the time limits allowed by the manufacturer .Discard mortar that has partially set.
- B. Maintain sand uniformly damp immediately before mixing process.
- C. Add mortar color and admixtures in accordance with manufacturer's instructions. Provide uniformity of mix and coloration.
- D. Pouring grout shall be fluid consistency (as fluid as possible for pouring without separation of constituent parts).

### PART 3 - EXECUTION

1. Examination
  - A. Verify that field conditions are acceptable and are ready to receive the work of this Section.
  - B. Verify built-in and other items provided by separate Sections of the work are properly sized and located.
  - C. Beginning of installation means acceptance of existing conditions.
2. Preparation
  - A. Direct and coordinate placement of metal anchors supplied to other Sections.
  - B. Provide temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent bracing.
  - C. Protect surfaces painted and integral finishes from mortar droppings and stains.
3. Installation - General
  - A. Establish lines, levels and coursing indicated. Protect from displacement.
  - B. Maintain masonry courses to uniform dimension. Form vertical and horizontal joints of uniform thickness.
4. Coursing, Bonds and Joints
  - A. Coursing, joints and bond pattern: Running bond toothed into existing CMU except as otherwise indicated on the Drawings.
  - B. Joints:
    1. Exposed to view masonry: except as specified below, fill all joints with mortar, strike off flush, and when mortar is thumb print hard tool joints with a non-staining tool. Joints shall be free of drying crack.
      - a. Horizontal joints
        - 1) Match existing.
      - b. Vertical joints
        - 1) Match existing.

5. Laying Masonry - General

- A. Build the masonry walls and partitions in the various combinations and thickness as indicated on the Drawings.
- B. Erect all masonry work in compliance with the line and level tolerances specified herein. Hold uniform joint sizes. Correct, or replace, as directed by the Architect, non-conforming masonry work at no additional cost to the Contract.
- C. Lay out coursing before setting to minimize cutting closures or jumping bond, Avoid the use of less-than-half-size units.
- D. Laying masonry units:
  - 1. Lay solid masonry units in full bed of mortar, with full head joints; uniformly joint with other work.
  - 2. Buttering corners of joints or excessive furrowing of mortar joints are not permitted.
  - 3. Cut all exposed masonry with a motor-driven carborundum blade saw to ensure straight and clean, unchipped edges.
    - a. Lay no unit having chipped edges or face defects where such unit would be exposed to view. Remove any such unit, if installed, and replace with an undamaged unit, and bear all costs therefor.
  - 4. Do not spread any more mortar than can be covered before surface of mortar has begun to dry.
  - 5. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment must be made, remove entirely, clean off mortar, and reset with fresh mortar.
  - 6. Except for cleaning down and repointing, finish all masonry as the walls and partitions are carried up.
- E. Build-in reinforcement and anchorage items as the work progresses, grouting for secure anchorage.
- F. Provide complete protection against breakage. Point and fill all holes and cracks in new mortar joints with additional fresh mortar; do not merely spread adjacent mortar over defect or use dead mortar droppings. Do all pointing while mortar is still soft and plastic. If hardened, chisel defect out and refill solidly with fresh additional mortar, and tool or rake joints as specified herein.

6. Building-in work

- A. As work progresses install built-in metal door and glazed frames, fabricated metal frames, window frames, wood nailing strips, anchor bolts, plates and other items to be built-in the work.
- B. Install built-in items plumb and level; take care not to distort alignment of such items.
- C. Bed anchors of metal frames in adjacent mortar joints. Fill frame voids solid with grout except where joints are indicated to receive caulking and sealant. Fill adjacent masonry cores with grout minimum 12 inches from framed openings.
  - 1. Rake joints to receive sealant to a uniform depth of 3/4 inch for installation of caulking and sealant.
- D. Do not build-in organic materials subject to deterioration.

7. Field Quality Control

- A. Field inspection will be performed .Testing frequency: Tests and evaluations listed in this article shall be performed during construction for each 5000 square feet of wall area or portion thereof.
- B. Mortar properties will be tested per property specification of ASTM C 270.
- C. Mortar composition and properties will be evaluated per ASTM C 780.
- D. Grout compressive strength will be sampled and tested per ASTM C 1019.
  - 1. Prior to grouting, request inspection of all voids to be grouted.

- E. Evaluation of Quality Control tests: In absence of other indications of noncompliance with requirements, masonry will be considered satisfactory if results from construction quality control tests comply with minimum requirements indicated.

8. Tolerances

- A. Maximum variation from true surface level for exposed to view walls and partitions:
  - 1. Unit-to-unit tolerance: 1/16 inch.
  - 2. Surface, overall tolerance: 1/4 inch in 10 feet in any direction and 1/2 inch in 20 feet or more.
    - a. Where both faces of single wythe wall or partition will be exposed to view, request and obtain decision from the Architect as to which face will be required to conform to the specified surface level tolerance.
- B. Maximum variation from plumb: For lines and surfaces of walls do not exceed 1/4 inch in 10 feet, 3/8 inch in any story up to 20 feet maximum. At expansion joints and other conspicuous lines, do not exceed 1/4 inch in 20 feet.
- C. Maximum variation from level: For lines of sills, tops of walls and other conspicuous lines, do not exceed 1/8 inch in 3 feet, or 1/4 inch in 10 feet and 1/2 inch in 30 feet.
- D. Maximum variation of linear building line: For position shown in plan relating to columns, walls and partitions, do not exceed 1/2 inch in 20 feet or 3/4 inch in 40 feet.
- E. Maximum variation in specified height: 1/2 inch per story.
- F. Maximum variation of joint thickness: 1/8 inch in 3 feet.
- G. Maximum horizontally projected unsupported masonry unit: 1-1/8 inches

9. Cleaning

- A. Progress Cleaning:
  - 1. General: Maintain site free of waste materials, debris, and rubbish resulting from the work of this Section.
    - a. Remove from work areas surplus and waste materials resulting from the work of this Section. Remove on a continual on-going basis through-out the term of construction.
  - 2. During the progress of the work, keep the exposed surfaces of masonry clean at all times, and protected against damage. As each segment of the masonry is erected, dry-brush the surfaces free from mortar spots and droppings.
- B. Prior to performing the final cleaning work, examine all face joints in exposed masonry to locate cracks, holes or other defects in the mortar; and point up all such defects and fill with mortar as specified herein. Where necessary, in the opinion of the Architect, cut out defective joints in masonry and replace with new materials, exercising extreme care to match original work.
- C. At a time approved by the Architect, perform final cleaning operations on all masonry as specified herein and as recommended by applicable BIA Technical Notes.
  - 1. Perform the final cleaning work only when the ambient temperature is above 40 degrees Fahrenheit, and rising.
  - 2. Do not use wire brushes or other abrasive tools in the cleaning operations.
  - 3. Perform final cleaning operations from the top down. If masonry cleaning work is performed after windows, doors, frames, and other work has been installed, provide complete protection for said items; be fully responsible for any damage due to the cleaning operations.
  - 4. Remove large mortar particles by hand with wooden paddles and non-metallic scrape hoes or chisels.
  - 5. Perform final cleaning of masonry units by scrubbing with stiff bristle fiber brushes and clear water, changing the water frequently.

- D. Provide suitable protective coverings for all other surfaces and materials during the final cleaning procedures, and bear full responsibility for correcting any damage caused by these operations, to the satisfaction of the Architect.

End of Section

Section 05 50 00  
METAL FABRICATIONS

PART 1 - GENERAL

1. Section Includes
  - A. Furnish and install:
    1. All non-specified metal work generally performed by the miscellaneous metals trade, and which are not otherwise provided.
  - B. Furnish the following items for installation under related sections:
    1. Loose steel lintels at door openings in interior masonry partitions; installed under Section 04 81 00 - UNIT MASONRY ASSEMBLIES.
    2. Anchor bolts, with nuts and washers; inserts; and sleeves; required to attach miscellaneous metal items to masonry, for installation under Section 04810 - UNIT MASONRY ASSEMBLIES.
  - C. Perform all drilling and cutting in miscellaneous metal items required for the attachment of other items.
  - D. Perform all shop-painting for all surfaces of exposed to view galvanized and non-galvanized metals, and post-erection touch-up of shop prime coat, using the same material as shop-prime coating.
2. Related Sections
  - A. Section 04 81 00 - UNIT MASONRY ASSEMBLIES: Building in of anchors into masonry walls.
  - B. Section 09 91 0 - PAINTING: Applied finish coatings other than those specified herein.
3. References
  - A. Comply with applicable requirements of the following standards and those others referenced in this Section, under the provisions of Section 01420 - REFERENCES. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.
    1. ASTM A 283 - Carbon Steel Plates, Shapes, and Bars.
    2. ASTM A 307 - Carbon Steel Externally Threaded Standard Fasteners.
    3. AGAI - Inspection Manual for Hot-Dipped Galvanized Products.
    4. ASTM B135 - Specification for Seamless Brass tube.
    5. CDA - Brass and Bronze Design Handbook for Architectural Applications.
    6. AWS - Standard Code for Arc and Gas Welding in Building Construction.
    7. NAAMM, applicable publications.
4. Submittals
  - A. Submit the following:
    1. Literature: Manufacturer's complete product data and specifications for all prefabricated items, shop primer paints, liquid zinc coating, and hydraulic cements, to be furnished hereunder.
    2. Shop drawings:
      - a. Include large scale details of items of all metal fabrications to be furnished hereunder, showing proposed methods of anchorage to surrounding structure and conditions.
      - b. Include large scale details of railings, bearing registration stamp of a Professional Structural Engineer registered in Commonwealth of Massachusetts.
      - c. Indicate on the shop drawings all erection marks for various places of miscellaneous metals, and ensure that the actual field pieces bear corresponding marks.



3. Provide calculations for loading and stresses for handrails bearing the Professional Structural Engineer's seal. Show how design load requirements and other performance requirements as required by the Massachusetts State Building Code have been satisfied.
  4. Certificate of Compliance from Galvanizer: Submit notarized Certificate of Compliance with application for payment for galvanizing, signed by galvanizer, indicating compliance with requirements of specifications. Include scope of services provided, and quantity and itemized description of items processed.
- B. Submit prior to request for Certificate of Occupancy, to both Architect and local Building Official having jurisdiction, under provisions of CLOSEOUT SUBMITTALS, the following.
1. All certifications, reports and programs required by Chapter 17 of the Massachusetts State Building code for work engineered by Subcontractor's Profession Engineer under the requirements of this Section.
5. Qualifications
- A. Fabricator, with a minimum of 5 years documented experience demonstrating previously successful work of the type specified herein.
6. Quality Assurance
- A. Engineering: Provide the services of a Professional Structural Engineer, registered in the Commonwealth of Massachusetts to design and certify that the work of this section meets or exceeds the performance requirements specified in this section and as required by Massachusetts State Building Code.
7. Coordination
- A. Be responsible for establishing locations and levels for all work of this Section, except such parts as may be delivered to others and set by them. In such cases assist them in properly locating said parts.
8. Delivery, Storage and Handling
- A. All materials under this Section shall be carefully prepared for delivery, and handled and stored under cover in a manner to prevent defacement, deformation, or other damage to the materials and to shop finishes, and to prevent the accumulation of foreign matter on the metal work. All such work shall be repaired and cleaned prior to erection.

## PART 2 - PRODUCTS

### 1. MATERIALS

- A. All materials shall be new stock, free from defects impairing strength, durability or appearance, and of best commercial quality for each intended purpose. Unless specifically called for otherwise, work shall be fabricated from the following:
1. Steel shapes, plates and bars: ASTM Designation A 36.
- B. Metal surfaces, general: For metal fabrications exposed to view upon completion of the Work, provide materials selected for their surface flatness, smoothness and freedom from surface blemishes. Do not use materials whose exposed surfaces exhibit pitting, seam marks, roller marks, rolled trade names, roughness, and, for steel sheet, variations in flatness exceeding those permitted by reference standards for stretcher-leveled sheet.
- C. Steel materials: to be shop primed? Provide all fasteners and attachments of the same material and finish as the metal to which it is applied unless otherwise noted. Provide all fasteners and attachments as required for work specified herein and as indicated on the Drawings.
- D. Welding rods: AWS E70XX grade, or select in accordance with AWS specifications for the metal alloy to be welded and in accordance with the recommendation of the welding rod manufacturer.

## 2. ACCESSORIES

- A. Adhesive for attaching anchors and for direct pinning: high-modulus, high strength, moisture insensitive, epoxy adhesive. two-component 100 percent solids, epoxy resin system:
  - 1. Sikadur Hi-Mod Gel, as manufactured by Sika Corporation, Lyndhurst NJ.
- B. Grout: Ready mixed, non-metallic high strength controlled expansion grout of flowable consistency, conforming to ASTM C 1107 with minimum compressive strength of 8,000 pounds per square inch (55.2 MPa) at 28 days. Manufacturers offering similar products which may be considered as equal include the following:
  - 1. Five Star Products, Inc., Fairfield CT, product "Five Star Grout."
  - 2. Cormix Construction Chemicals, Dallas TX.
  - 3. L&M Construction Chemicals, Omaha NE, Product: "Crystex."
- C. Metal paste filler: 2 component epoxy, high strength, structural adhesive putty:
  - 1. Abatron, Inc. Gilberts IL, product: "Ferrobond-P".
  - 2. Dynatron/Bondo Corp., Atlanta, GA, product: "Bondo Plastic Filler".
  - 3. U.S. Chemical & Plastics Company., Massillon OH, product "Metal filled epoxy".
- D. Primer for non-galvanized steel surfaces, modified alkyd rust-inhibitive, high solids primer, equal to the following:
  - 1. International (Courtaulds Coatings): Interlac 260HS.
  - 2. Rust-Oleum: 1069 Heavy Duty Rust Inhibitive Red Primer.
  - 3. Sherwin Williams: Kem Flash Primer HS, Red Oxide E61R702.
  - 4. Tnemec: 10-99 Red Primer.
  - 5. Wibur & Williams (California Products Corporation): 1703 Universal Metal Primer.

## 3. FABRICATION - GENERAL

- A. Metal surfaces shall be clean and free from mill scale, flake, rust and rust pitting; well formed and finished to shape and size, true to details with straight, sharp lines, and angles and smooth surfaces. Curved work shall be to true radii. Exposed sheared edges shall be eased.
- B. Shop fabricate items wherever practicable, accurately fitting all parts and making all joints tight. Do not fabricate materials until all specified submittals have been submitted to, and approved by, the Architect.
- C. Do all cutting, punching, drilling, and tapping required for attachment of anchor bolts and other hardware and for attachment of work by other trades. All such work shall be done prior to hot-dip galvanizing of the various components.
- D. Grind all edges of bars and plates completely free from nicks and machine marks, prior to galvanizing and/or shop priming.
- E. Use screws and bolts only where welding cannot be performed, of sufficient size to ensure against loosening from normal usage of miscellaneous metal items furnished hereunder.
  - 1. Countersink all screw heads and bolt heads as far as practicable. Use not less than two screw, bolts, or other anchorage items, at each connection point.
  - 2. Draw up all threaded connections tightly, after buttering same with pipe joint compound, to exclude water.
- F. Carefully coordinate the installation of metal fabrications with the work of trades responsible for the installation of interfacing work, and for the installation of work into the various assemblies furnished hereunder, and permit the installation of the related materials to be made at the appropriate times.

#### 4. FABRICATION - SUPPORTS

- A. Supports for folding panel partitions and toilet partitions: Fabricate support system to carry the entire load of moveable walls to the structure above without transferring any horizontal or vertical load to ceiling system. Provide frequently spaced holes for multiple adjustment. Provide diagonal bracing. Use of “Unistrut” type members are acceptable.

#### 5. SHOP APPLIED COATINGS

- A. For non-galvanized steel surfaces:
  - 1. Surface preparation prior to priming: Thoroughly clean all steel of all loose mill scale by power wire brushing or sandblasting. Remove all rust, dirt, weld flux, weld spatter, and other foreign matter by wire-brushing or scraping (power wire-brushing, if necessary). Grind smooth any sharp projections.
  - 2. Shop apply specified primers thoroughly and evenly on the surfaces and worked into the joints and other open areas on the surfaces. Surfaces inaccessible after assembly shall be given two coats. Dry film thickness of primer shall be not less than 2.4 mils per coat.

### PART 3 - EXECUTION

#### 1. ERECTION – GENERAL

- A. Accurately set all work to established lines and elevations, and rigidly fasten in place with suitable attachments to the construction of the building. At the completion of the work, check all work, re-adjust as required, and leave in perfect condition. Grind all exposed to view welds smooth to the touch.

#### 2 FIELD BOLTING

- A. Accurately drive all bolts into holes, protecting the bolt heads so as not to damage the thread during the driving. Ensure that bolt heads and nuts rest squarely against the metal. Where structural members have sloping flange faces, provide approved beveled washers at the bolted connections to afford square seating for bolt heads or nuts. Nick bolt threads for unfinished bolts to prevent the nuts from backing off.

#### 3 TOUCH-UP

- A. Touch-up all welds, burned areas, scratches, abrasions, on galvanized metals, using specified liquid zinc coating.
- B. Touch-up all welds, scratches, abrasions, and other surface damaged on shop-primed or painted metals, using the same coatings as specified under shop applied finishes, herein above.

#### 4 SCHEDULES

- A. General: Items listed hereinbelow provide further description of those already indicated in the Drawings. This list does not represent a complete list of miscellaneous metal components or types required to complete the Work.
  - 1. Carefully review all Drawings and furnish and install metal fabrications required by the various trades, whether or not specifically listed herein, such as miscellaneous clip angles, miscellaneous steel bracketing, and other miscellaneous metal items as indicated on the Drawings, reasonably implied therefrom, or reasonably necessary for the thorough completion of the works.
- B. Lintels: As scheduled on Structural Drawings.
  - 2. Provide lintels 8 inches longer than masonry openings. Where lintel abuts column, provide structural clip connection.

End of Section

Section 06 10 00  
ROUGH CARPENTRY

PART 1 - GENERAL

1. Section Includes
  - A. Rough installation hardware, including bolts, screws, spikes, nails, clips, and connection assemblies, as needed for installation of the rough carpentry work.
  - B. Install the following furnished under the designated Sections:
    1. Metal door frames furnished by Owner.
      - a. Place frames and erect in correct positions within specified tolerances. Additionally provide temporary bracing at locations where frames are indicated to be built-into masonry. Section 04810 – UNIT MASONRY ASSEMBLIES shall grout frames and “build-into” into masonry work.
  - C. Coordinate work of this Section with the work of the various trades responsible for applying finish materials and other items to rough carpentry work. Furnish and install furring, blocking, and shims, and other usual items of normal rough carpentry work as required by the various trades for the proper completion of the project.
    1. The applicable requirements specified in Part 1 - GENERAL and Part 3 - EXECUTION of the individual specification sections furnishing materials to be installed under this Section, shall be included in and made a part of this Section.
  - D. No attempt is made in this Section to list all elements of rough carpentry required on this project or to describe how each element will be installed. It is the responsibility of the Contractor to determine for itself the scope and nature of the work required for a complete installation from the information provided herein and in the Drawings.
2. Related Sections
  - A. Section 04 81 00 – UNIT MASONRY ASSEMBLIES: Building-into masonry hollow metal door frames, placed and braced under this Section 06 10 00 - Rough Carpentry.
  - B. STEEL DOORS AND FRAMES: Furnishing hollow metal framing by Owner.
  - C. Section 09 91 00 - PAINTING: Applied primer and finish coatings to exposed to view rough carpentry work.
3. References
  - A. Comply with applicable requirements of the following standards and those others referenced in this Section, under the provisions of Section 01420 - REFERENCES. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.
    1. EWA - applicable grades and specifications.
    2. AWPA Standard C-20 - Structural Lumber Fire Retardent Treatment by Pressure Processes.
    3. AWPA C-27 - Plywood, Fire Retardent Treatment by Pressure Processes. .
    4. SDI 122 - Installation and Troubleshooting Guide for Standard Steel Doors and Frames.
    5. UL - Building Materials Directory

4. Submittals
  - A. Submit the following under provisions of Section 01330 - SUBMITTAL PROCEDURES:
    1. Shop Drawings: Provide calculations for cutting existing stair landing tube section and reinforcing as indicated on the drawings.. Calculations shall be stamped by registered professional engineer with structural engineering credentials, licensed to practice in the Commonwealth of Massachusetts.
5. Delivery, Storage and Handling
  - A. Store all materials in an elevated dry location, protected by waterproof coverings.
6. Sequencing and Scheduling
  - A. Coordinate work of this Section with the work of the various trades responsible for applying finish materials and other items to rough carpentry work, and ensure that the work performed hereunder is acceptable to such trades for the installation of their work.

## PART 2 - PRODUCTS

1. Metal framing anchors
  - A. General: Provide framing anchors made from metal indicated, of structural capacity, type, and size indicated, and as follows:
    1. Research/Evaluation Reports: Provide products acceptable to authorities having jurisdiction and for which model code research/evaluation reports exist that show compliance of metal framing anchors, for application indicated, with building code in effect for Project.
    2. Allowable Design Loads: Provide products with allowable design loads, as published by manufacturer, that meet or exceed those indicated. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified independent testing agency.
    3. Base Reinforcement Thickness: 0.108 inch (2.8 mm).
  - B. Wall Bracing: T-shaped bracing made for letting into studs in saw kerf, 1-1/8 inches (29 mm) wide by 9/16 inch (14 mm) deep by 0.034 inch (0.85 mm) thick with hemmed edges.
2. Accessories
  - A. Protection paper: Canadian red-rosen paper or kraft paper.

## PART 3 - EXECUTION

1. PREPARATION
  - A. All materials shall be inspected before use, with all deficient stock rejected,
  - B. Installation - General
  - C. Closely coordinate the installation of the rough carpentry work with the work of other trades responsible for the installation of interfacing or overlaying materials, so as not to delay the work of the related trades.
  - D. Erect all rough carpentry work plumb, level, and true with tight, close fitting joints, securely attached and braced to surrounding construction, all in a first class workmanlike manner. Counterbore for bolt heads, nuts, and washers where required to avoid interference with other materials. Bear complete responsibility for structural integrity, connections, and anchorage of all rough carpentry work.
  - E. Make provisions for erection loads, and for sufficient temporary bracing to maintain structure safe, plumb, and in true alignment until completion of erection and installation of permanent bracing.

2. INSTALLATION - METAL DOOR FRAMES

- A. Place in position all steel frames, furnished by Owner, in accordance with the approved shop drawings and frame schedule.
  - 1. During the installation of metal door frames, after the manufacturer's steel spreader bar has been removed, install wood spreaders at door opening, carefully dimensioned to permit square, true installation of door frames and doors.
  - 2. Spreaders and bracing shall remain in place until doors are installed.
- B. Coordinate installation of frames with the various trades installing abutting wall construction for anchor placement.
  - 1. Place, erect and level all frames into correct scheduled locations, including those in masonry partitions.
  - 2. Provide temporary spreaders and bracing for door frames to be installed into masonry partitions. Maintain frame position with temporary bracing until frames are built-into-place under Division 4 – MASONRY.
- C. Install frames in accordance with the manufacturer's recommendations, ANSI/SDI100, SDI105, and the Door Hardware Institute (DHI) recommendations.
  - 1. Provide rigid temporary bracing for frames as required to ensure maintenance of positioning, and remove only after frames have been permanently anchored.
  - 2. Secure frames, occurring in existing masonry, with expansion bolts and sleeves.
  - 3. Where exposed fastener heads occur in frames, fill with automotive body filler and sand smooth.

4. Tolerances

- A. Framing members: Maximum deviation more than 1/4 inch in 10 feet from true or plumb position.
- B. Door frames: Maximum diagonal distortion 1/16 inch measured with straight edge, corner to corner.

End of Section

Section 09 25 00  
GYPSUM BOARD

PART 1 - GENERAL

1. SECTION INCLUDES

A. Furnish and install:

1. Suspended metal ceiling and soffit framing system, including hanger attachments, wire hangers, and screwable metal tee grid system.
2. Taped, compounded and sanded gypsum board finishes including all trim and accessory components.
3. Cement board substrate for wall tile.
4. Control joints in gypsum board walls.

2. RELATED SECTIONS

A. Section 06 10 0 - ROUGH CARPENTRY:

1. Wood framing and blocking supporting gypsum board.
2. Installation of metal door frames in gypsum board work.

B. Section 09 91 - PAINTING: Applied finish coatings.

3. References

A. Comply with applicable requirements of the following standards and those others referenced in this Section, under the provisions of Section 01420 - REFERENCES. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.

1. ASTM C 36 - Gypsum Wallboard.
2. ASTM C 475 - Joint Treatment Materials for Gypsum Wallboard Construction.
3. ASTM C 557 - Standard Specification for Fastening Gypsum Board to Wood Framing.
4. ASTM C 919 - Use of Sealants in Acoustical Applications.
5. ASTM E 90 - Method of Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
6. ASTM E 119 - Fire Tests of Building Construction and Materials.
7. ANSI A108.11 - Interior Installation of Cementitious Backer Units.
8. ANSI A118.9 - Cementitious Backer Units.
9. GA 201 - Gypsum Board for Walls and Ceilings.
10. GA 214 - Recommended Specifications for Levels of Gypsum Board Finish.
11. GA 216 - Recommended Specifications for the Application and Finishing of Gypsum Board.
12. GA 220 - Recommended Specifications for Gypsum Board Winter Related Job Problems.
13. All applicable federal, state and municipal codes, laws and regulations for fire rated assemblies.

4. COORDINATION

A. Work of this Section shall be closely coordinated with the work of Section 06100 - ROUGH CARPENTRY, to assure the steady progress of the Contract.



5. Submittals
  - A. Submit the following:
    1. Literature: Manufacturer's product data sheets, specifications, performance data, physical properties for each item furnished hereunder.
    2. Shop drawings. Show locations of all control joints on shop drawings.
6. QUALITY ASSURANCE
  - A. Applicator, with a minimum of 3 years documented experience demonstrating previously successful work of the type specified herein.
7. REGULATORY REQUIREMENTS
  - A. Fire resistance ratings: Where gypsum board systems with fire-resistance ratings are indicated, provide materials and assemblies of the rating required, tested per ASTM E 119, which are identical to those indicated by reference to Gypsum Association file numbers in "Fire Resistance Design Manual" or to design designation in the Underwriters Laboratories "Fire Resistance Directory" or in listing of other testing agencies acceptable to authorities having jurisdiction and to the Owners' insurance underwriters.
8. DELIVER, STORAGE AND HANDLING
  - A. Deliver materials in original packages, containers or bundles bearing brand name and identification of manufacturer or supplier.
  - B. Store materials inside, under cover and in manner to keep them dry, protected from weather, direct sunlight, surface contamination, corrosion and damage from construction traffic and other causes.
    1. Neatly stack board materials flat to prevent sagging.
  - C. Handle board materials so to prevent damage to edges, ends and surfaces.
  - D. Protect trim, accessories and corner beads from being bent or damaged.
9. ENVIRONMENTAL CONDITIONS
  - A. In accordance with GA 216, maintain minimum ambient temperature of 50 degrees Fahrenheit 48 hours before, during taping and compounding, and until completely dry thereafter.
10. SEQUENCING AND SCHEDULING
  - A. Do not install gypsum board until all pipes, ducts, conduits, and other such items which are to be enclosed thereby, have been permanently installed, inspected and approved.
  - B. Coordinate the work of this Section with the respective trades responsible for installing interfacing work, and ensure that the work performed hereunder is acceptable to such trades for the installation of their work.

## PART 2 - PRODUCTS

1. MANUFACTURERS
  - A. Subject to compliance with the requirements specified herein, manufacturers offering products which may be incorporated in the work include the following:
    1. Gypsum board products:
      - a. United States Gypsum Company, Chicago IL. (USG).
      - b. National Gypsum Company, Gold Bond Products Division, Charlotte NC. (Gold Bond).
      - c. G-P Gypsum Corporation, Atlanta GA.
      - d. Lafarge Corporation, Hendron VA.

2. Suspended framing system for ceilings and soffits:
    - a. Armstrong World Industries, Inc., Lancaster, PA.
    - b. Chicago Metallic Corporation, Chicago IL.
    - c. Donn Corporation, Weestlake OH.
  3. Cement board (tile substrate):
    - a. Glasscrete Inc., Bakersfield, CA.
    - b. WR Bonseal Inc., Charlotte, NC.
    - c. United States Gypsum Company, Chicago, IL.
  4. Polyvinyl chloride trim and accessories:
    - a. Plastic Components, Inc., Miami FL.
    - b. Vinyl Corporation, Miami FL.
    - c. Alabama Metal Industries Corporation, (AMICO)Birmingham, AL.
- B. The design and details as shown on the Drawings and the model numbers specified herein are to establish the standards of design and quality and not to limit competition.

## 2. Board MATERIALS

- A. Standard gypsum board: UL fire resistance rated, ASTM C 36 'Type X' board, 5/8 inch thick, except where 1/2 inch thickness is indicated on Drawings, 48 inch width, of lengths to minimize end joints, with tapered edges.
1. Acceptable products include the following or approved equal:
    - a. USG Sheetrock brand "Firecode C-Core"
    - b. National Gypsum Company, Gold Bond brand product "Fireshield G, Enhanced Version".
    - c. G-P Gypsum Corporation product, "Toughrock Fireguard C."
- B. Sag-resistant gypsum board ceiling panels: non-rated 1/2 inch thick, 48 inch width, of lengths to minimize end joints, with tapered edges, conforming to ASTM C36, ASTM C1395 and ASTM C1396.
1. Acceptable products include the following or approved equal:
    - a. USG Sheetrock brand product "Interior Ceiling Panel, Sag Resistant".
    - b. National Gypsum Company, Gold Bond brand product "High Strength Ceiling Board:
    - c. G-P Gypsum Corporation product, "Toughrock 1/2" CD Ceiling Board"
    - d. Lafarge Corporation, product "Sagcheck"
- C. Moisture resistant (MR) gypsum board (green board): Conforming to ASTM C630 and C1396, 1/2 inch thick, 48 inch width, of lengths to minimize end joints, with tapered edges.
1. Acceptable products include the following or approved equal:
    - a. USG Sheetrock brand "Humitek Panels"
    - b. National Gypsum Company, Gold Bond brand product" Fireshield G, Enhanced Version".
    - c. G-P Gypsum Corporation product, "Toughrock Moisture Guard"
- D. Cement board, for use as substrate for ceramic tile: nominal 1/2 inch thickness manufactured for interior or exterior application, glass fiber reinforced, with a minimum compressive strength of 2,500 pounds per square inch and minimum flexural strength of 1,000 pounds per square inch.
1. Glasscrete Inc., product "Wonder-board."
  2. W.R. Bonseal Inc., product: "Util-a-Crete".
  3. United States Gypsum Company, product: "Durock".

3. Suspended metal framing system
  - A. Hanger attachments: Galvanized steel hanger eyes, of size and capacity to safely sustain a live load of at least 150 pounds per hanger attachment.
  - B. Hangers: Soft temper, pre-stretched galvanized carbon steel wire, conforming with ASTM A641, with a yield stress load of at least three times design load, but not less than 12 gage.
  - C. Grid system for direct attachment of gypsum board: Comprised of double web main furring tees, 1 1/2 inches high by 1-3/8 inches flange face by 0.020 inch thick; double web cross tees, 1 1/2 inches high by 15/16 inch flange face by 0.020 inch thick; 0.020 inch thick wall channels, with 1 1/2 inches interior web height; and all splices, clips, and related items. Provide Underwriters Laboratories Label fire-rated assemblies for locations requiring fire-rated ceilings and soffits
    1. Chicago Metallic product "system 640 Furring System".
    2. Armstrong World Industries product "Drywall Furring System".
    3. Donn (USG) Corporation, Chicago IL., product "USG Drywall Furring System" with DGLW tees.
4. ACCESSORIES
  - A. Gypsum board polyvinyl chloride trim accessories, conforming to ASTM D 1784 and C 1047.
    1. J Bead: Edge trim with exposed 1/2 inch face cap, furnish trim model number corresponding to the board thickness where installed.
      - a. Plastic Components model number: 200X-50 (for 1/2 inch thick board) or 200S-58 (for 5/8 inch thick board).
      - b. Vinyl Corp. model number: JB50 (for 1/2 inch thick board) or JB58 (for 5/8 inch thick board).
      - c. AMICO. model number: AMJB50 (for 1/2" thick board) or AMJB58 (for 5/8" thick board).
    2. L Bead: casing edge trim, furnish trim model number corresponding to the board thickness where installed
      - a. Plastic Components model number: 221-50 (for 1/2 inch thick board) or 221-58 (for 5/8 inch thick board).
      - b. Vinyl Corp. model number: SB50 (for 1/2 inch thick board) or SB58 (for 5/8 inch thick board).
      - c. AMICO. model number: AMSB50 (for 1/2 inch thick board) or AMSB58 (for 5/8 inch thick board).
    3. Corner beads, 90 degree with 1-1/4 inch flanges:
      - a. Plastic Components model number: 209.
      - b. Vinyl Corp. model number: CB125.
      - c. AMICO. model number: AMCB125.
    4. Control joints: "V" type joint with nominal 3/16 inch reveal and removable temporary tape:
      - a. Gold bond model "EZ Strip Expansion Joint".
      - b. Plastic Components model number: 2027-16.
      - c. Vinyl Corp. model number: CJV16.
      - d. AMICO. model number: AMDCJV16.
  - B. Tapes and compound:
    1. Joint tape: Nominal 2 inch wide, high strength, cross-fibered paper drywall tape.
    2. Joint Compound for setting tape: 'Speed-setting type compound', field mixed equal to USG "Durabond 20" or Gold bond "Stay Smooth 30."
    3. Joint Compound for finishing: field mixed joint compound equal to USG "Durabond 90" and Gold bond "Stay Smooth 90", or factory pre-mixed compound equal to USG "Ready-Mixed Joint Compound" and Gold Bond "All Purpose Compound".

- C. Fasteners:
    - 1. Type S, bugle head screws complying with ASTM C 646, for applying gypsum board to metal framing, ceiling grid system, and furring channels.
      - a. 1 inch long for single layer gypsum board.
      - b. 1-5/8 inches long for double-layer gypsum board.
    - 2. Type W, bugle head screws complying with ASTM C 646, for applying gypsum board to wood framing and furring.
      - a. 1-1/4 inch long for single layer gypsum board.
      - b. 1-5/8 inches long for double-layer gypsum board.
    - 3. Ceiling buttons, perforated type, 1 inch diameter, for use at multiple layered gypsum board ceiling systems.
  - D. Laminating adhesive: USG Durabond Joint Compound 90, USG Ready-mixed All Purpose Compound, or equal.
  - E. Joint Sealers
    - 1. Interior acoustical sealant type "AA" with backing materials as specified under Section 07900 - JOINT SEALERS.
  - F. Liquid sealer for cuts, holes and ends of moisture resistant board; provide one of the following or acceptable equal.
    - 1. Shellac type sealer: mix 4 pounds of orange or bleached shellac dissolved in 1 gallon of denatured ethyl-alcohol.
    - 2. Varnish type sealer: Fast setting marine varnish.
5. SOURCE QUALITY CONTROL
- A. Obtain gypsum board products from a single manufacturer, or from manufacturers recommended by the prime manufacturer of gypsum boards.

## PART 3 - EXECUTION

### 1. EXAMINATION

- A. Verify that all items which are to be enclosed by Work of this Section, have been permanently installed, inspected and approved.
- B. Inspect framing and other substrates; verify that they are in proper condition to receive the work of this Section.
- C. Beginning of installation means acceptance of existing substrate and site conditions.

### 2. PREPARATION

- A. During the operation of gypsum board work, protect all wood, metal, glass, flooring, and other finished materials against undue soilage and damage by the exercise of reasonable care and precautions. Repair or replace any work so damaged and soiled.

### 3. INSTALLATION - GENERAL

- A. General: Perform erection procedures for the various gypsum board system conditions, except as otherwise specified, as set forth in GA 201, GA 216, GA 220, the written instructions of gypsum board manufacturer, together with the additional requirements specified herein and as indicated on the Drawings.
- B. Where fire-resistive rated assemblies are indicated, erect gypsum board systems in strict accordance with the manufacturers' UL listed test constructions for the required fire rating on each specific assembly.
- C. Install specified control joints where indicated on Drawings and where run of partitions, or furred surfaces exceeds 30 feet.
  - 1. Locate control joints at corners of head frames of doors.

2. Run vertical control joints continuously to top of partition or furred area, as applicable.
4. Installation – suspended ceiling framing system
  - A. Coordinate layout and installation of suspension system components for suspended ceilings with other work supported by, or penetrating work of this section. Re-adjust ceiling suspension system, prior to the installation of the gypsum board and after installation of mechanical and electrical equipment and fixtures by the respective trades.
  - B. Install all components of concealed grid system in accordance with the manufacturer's instructions, with current ASTM C 636 requirements, with design and installation of suspended grid system safely sustaining a membrane loading of at least 7.9 pounds per square foot.
  - C. Install hangers not more than 24 inches on centers over locations of main tee members. Install hanger wires to hanger attachment with triple twists. Install additional wires as required to provide support for main tees, at intervals not exceeding four feet, wherever main tees must be interrupted in order to install other work and at all other locations as may be directed by the Architect.
  - D. Install main tees parallel to long dimension of the area, at 48 inches on center spacing; secure with hanger wire as the work progresses. Install cross tees as recommended by the system manufacturer not to exceed 16 inches on center spacing.
5. INSTALLATION OF GYPSUM BOARD
  - A. Screw fasten only, gypsum board to framing and furring, with ends and edges occurring over firm bearing. At all door jambs screw fasten gypsum panels 8 inches on center to both box studs
    1. Erect single layer fire-resistance rated gypsum board vertically.
    2. Erect standard and moisture resistant layer board in most economical direction.
    3. Erect ceiling and soffit gypsum boards to meet UL requirements, where applicable, stagger end joints over supports. Secure gypsum board with fasteners inserted through ceiling buttons; anchor fasteners directly to framing or suspended support system.
  - B. Wherever items penetrate the gypsum board surfaces, use extra care in cutting the gypsum board to ensure a uniformly-dimensioned joint between the penetrating item and the gypsum board, and fill joints with specified sealant material. Verify the expected deflection factor of the penetrating members, and cut the gypsum accordingly, to prevent damage thereto from the deflecting members.
  - C. Treat cut edges and holes in moisture resistant gypsum board with approved liquid sealer.
    1. If shellac is used, apply in thin layers to dry quickly.
  - D. Install corner beads at all exterior corners of gypsum boards. Install casings (PVC trim) wherever gypsum board meets a dissimilar material, and in other locations indicated on the Drawings, except at floors where bottom of the board will be concealed by base, integral with flooring, resilient base, wood base or carpeted base.
6. Installation of Cement Board
  - A. Wall framing substrate: Do not install cement board directly over protrusions from stud plane such as heavy brackets or fastener heads.
  - B. Make necessary cut-outs. Install cement board horizontally leaving 1/8 to 3/16 space at all joints, including joints with dissimilar materials. Stagger board joints with those of adjacent rows.
  - C. Fasten cement board with 1-1/4 inch length type S bugle head screw. Fasten boards every 8 inches on center in field and along edges. At edge conditions, locate fasteners between 1/2 inch to 2 inches from board edge.
  - D. At all joints and corners, fill gap solidly with dry-set or latex-modified, portland cement mortar and imbed 2 inch mesh fiberglass tape and smooth material over joint and corner.

## 7. APPLICATION OF ACOUSTICAL SEALANT

- A. General: Install sealant and backing in accordance with the recommendations of ASTM C-919 and sealant manufacturer's recommendations.
  - 1. Perform preparation in accordance with C-790. Thoroughly clean all joints, removing all loose mortar, oil, grease, dust, frost, and other foreign materials that will prevent proper adhesion of primers and sealant materials.
  - 2. If so recommended and furnished by the specific sealant manufacturer, apply primer to all joint surfaces, taking care not to stain adjacent surfaces.
- B. Seal all partition perimeters prior to taping or compounding. Where perimeters are edged with metal trim, apply sealant and backing material between trim and dissimilar material.
- C. Seal all penetrations in partition types designated for "acoustical" insulation. Penetrations to receive sealant include electrical boxes, plumbing, heating and air conditioning ducts, telephone, intercom hookups and similar items.
  - 1. Install joint bead back-up in all joints in excess of 5/8-inch depth, and joints that have no back-up therein, placing the joint bead in the joint in a manner that will assure a constant depth 1/8 inch greater than the sealant and caulking material depth tolerances.
    - a. Set beads into joints continuously, by slightly stretching during placement, to permit compression against sides of joint, without surface wrinkles or buckles.
    - b. Do not stretch back-up material into joints.
    - c. Install bond breaker wherever recommended by the sealant manufacturer to prevent bond of the sealant to surfaces where such bond might impair the Work.
  - 2. Apply sealant in continuous beads without open joints, voids or air pockets
    - a. The depth of sealant and caulking materials shall be in accordance with manufacturer's recommendations for the specific joint function, but in no case exceed 1/2-inch in depth, nor less than 1/4-inch, regardless of the joint width.
  - 3. Remove the temporary masking tape immediately after tooling, and before the sealant or caulking material has taken initial set.

## 8. APPLICATION OF JOINT TREATMENT

- A. Install joint tape at all joints where gypsum boards abut and where boards form internal corners, whether or not such joints will be concealed from view.
- B. Apply compound to all joints, edges, corners, fastener head depressions and abrasions in the surfaces, whether or not such conditions will be concealed from view. Sand completely smooth all compound surfaces, which will be exposed to view, and leave ready to receive applied coatings or finish.
- C. Provide the minimum levels of gypsum board finishes as defined by the Gypsum Association recommended specifications GA-214 and GA-216, per the following:
  - 1. At areas hidden from view, except as otherwise specified: Level 0.
  - 2. At areas hidden from view, requiring a fire rating: Level 1.
  - 3. At concealed plenum spaces above ceilings: Level 1.
  - 4. At non-occupied spaces (storage and service rooms, attic): Level 1.
  - 5. At surfaces scheduled to receive tile: Level 2.
  - 6. At surfaces scheduled to receive painted finishes: Level 4.

## 9. TOLERANCES

- A. Maximum variation for gypsum board partitions and ceilings from true flatness: 1/8 inch per 10 feet, noncumulative.

10. CLEANING

- A. Daily clean work areas by sweeping and disposing of debris, scraps, and deposits of compound and gypsum fill.
- B. After completion of the work of this Section, remove equipment, and clean all wall, partition, and floor areas free from deposits of gypsum fill, and other materials installed under this Section.

End of Section



Section 09 65 10  
RESILIENT BASE

PART 1 - GENERAL

1. SECTION INCLUDES

- A. Preparation of substrate.
- B. Furnish and install the following:
  - 1. Cove resilient base where indicated.

2. RELATED SECTIONS

- A. Section 09654 - RUBBER FLOORING: Rubber stair treads and risers.

3. References

- A. Comply with applicable requirements of the following standards:
  - 1. ASTM E 84 - Surface Burning Characteristics of Building Materials.
  - 2. F1861 - Standard Specification for Resilient Wall Base.
  - 3. All applicable federal, state and municipal codes, laws and regulations regarding flammability and smoke generation of interior finishes.

4. REGULATORY REQUIREMENTS

- A. Provide materials and assemblies conforming to applicable building codes and regulatory agencies for flame/fuel/smoke rating requirements of base trim in accordance with ASTM E 84.

5. Submittals

- A. Submit the following:
  - 1. Literature: Manufacturer's product data sheets, specifications, performance data, physical properties and installation instructions.
  - 2. Selection samples: Manufacturers' sample chain of colors available for selection by Architect.
  - 3. Verification samples: Each type resilient base and color selected, 24 inches long.

6. QUALITY ASSURANCE

- A. Avoid color and pattern differential; provide base from one production run in any single room or contiguous areas.

7. DELIVERY, STORAGE AND HANDLING

- A. Deliver resilient base materials in original, unopened packages and store protected for three days prior to installation in area of installation to achieve temperature stability.
- B. Store materials in a clean dry, enclosed space off the ground and protected from the weather. Protect adhesives from freezing.

8. ENVIRONMENTAL CONDITIONS

- A. Maintain uniform temperature of minimum of 65 degrees Fahrenheit and humidity of 20 to 40 percent 48 hours prior to, during, and 48 hours after installation. Store resilient flooring materials and accessories in the spaces where they will be installed for at least 48 hours before beginning installation. Thereafter, maintain a minimum temperature of 55 degrees Fahrenheit in the areas where the work is completed.

9. SEQUENCING AND SCHEDULING

- A. Coordinate the work of this Section with the respective trades responsible for installing interfacing work.
- B. Sequence work to ensure resilient base is not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, wet work is dry and cured, and work overhead is completed.
- C. Ensure that installation of flooring and accessories occurs after other finishing operations, including painting.

10. EXTRA MATERIALS

- A. Upon completion of the Work of this Section, deliver to the Owner extra base materials for future repairs and maintenance, from the same manufacturing runs as those installed, in the following amounts.
  - 1. Resilient base: 24 linear feet of each type and color installed.

PART 2 - PRODUCTS

1. Manufacturers

- A. Acceptable Manufacturers: Subject to compliance with the requirements specified herein, manufacturers offering similar products include the following:
  - 1. Johnsonite, Middlefield OH.
  - 2. Burke-Mercer Products Company, San Jose CA
  - 3. Roppe Corporation, Fostoria OH.
  - 4. Vinyl Products Inc., Floor Products Division, Sheboygan WI.
  - 5. Tarkett, Inc., Parsippany NH.

2. RESILIENT BASE

- A. Vinyl Bases: Homogeneous vinyl, 4 inches high, 0.080 gage thickness complying with ASTM F-1861, Type TV, (Thermoplastic Vinyl), in colors as selected by the Architect from manufacturer's available standards. Coved at resilient flooring and straight base at carpet areas. Provide premolded end stops, external and internal corners, of same material, size and color as base.

3. ACCESSORIES

- A. Adhesives
  - 1. General: Waterproof, acceptable to the resilient flooring manufacturer, for substrate conditions.
  - 2. Acceptable manufacturers:
    - a. Advanced Adhesive Technology, Inc, Dalton GA.
    - b. DAP Incorporated, Dayton OH.
    - c. W.W. Henry Company, Huntington Park CA.
    - d. Roberts Consolidated Industries, Inc., City of Industry, CA.
- B. Joint Sealer for between the top of wall base and irregular wall surfaces: Plastic filler as recommended by manufacturer.
- C. Cleaning material: Domestic neutral floor detergent having a pH 7 or pH 8, as recommended by the flooring manufacturer.

## PART 3 - EXECUTION

### 1. EXAMINATION

- A. Inspect all surfaces and verify that they are in proper condition to receive the work of this Section.
- B. Beginning of installation means acceptance of existing substrate and site conditions.

### 2. INSTALLATION - GENERAL

- A. Install all products in strict accordance with each manufacturer's written installation procedures and other provisions specified herein.
- B. Spread only enough adhesive to permit installation of materials before initial set.

### 3. INSTALLATION OF ACCESSORIES

- A. Resilient base: Install base on solid backing, bond to vertical substrate with continuous contact at horizontal and vertical surfaces. Apply wall base to walls, columns, casework and other permanent fixtures in areas where base is required.
  - 1. Install in lengths as long as practical.
  - 2. Scribe to fit to door frames and other interruptions.
  - 3. Form all external and internal corners in accordance with manufacturer's written instructions. Cope inside corners and fit neatly.
  - 4. Fill voids with plastic filler along the top edge of the resilient wall base on masonry surfaces or other similar irregular substrates.

### 4. Post-installation CLEANING

- A. As installation progresses, continually remove excess adhesive from floor, base and wall surfaces without damage.

End of Section

Section 09654  
RUBBER FLOORING

PART 1 - GENERAL

1. SECTION INCLUDES

- A. Prepare substrates to receive rubber flooring as required to ensure specified tolerance level for finish surface of carpeting. Preparation work includes patching, smoothing and leveling substrate, including:
  - 1. Grinding down high spots of substrate.
  - 2. Providing Portland cement-based latex underlayment (filler).
- B. Furnish and install the following:
  - 1. Raised-stud sheet rubber stair treads/risers.
  - 2. Raised-stud rubber flooring tile and base at stair landings.
  - 3. Smooth rubber flooring.
  - 4. Transition strips wherever edges of resilient rubber flooring materials abut dissimilar flooring, where no thresholds occur.

2. RELATED SECTIONS

- A. Section 09510 - RESILIENT BASE:

3. References

- A. Comply with applicable requirements of the following standards. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.
  - 1. ASTM E 84 - Surface Burning Characteristics of Building Materials.
  - 2. ASTM F-1344 - Specification for rubber floor tile.
  - 3. ASTM F-710 - Preparing Concrete Floors to Receive Resilient Flooring.
  - 4. ASTM F-1869 – Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
  - 5. All applicable federal, state and municipal codes, laws and regulations regarding flammability and smoke generation of interior finishes.

4. REGULATORY REQUIREMENTS

- A. Provide materials and assemblies conforming to applicable building codes and regulatory agencies for flame/fuel/smoke rating requirements of flooring in accordance with ASTM E 84.
- B. Provide flooring material to meet the following fire test performance criteria as tested by a recognized independent testing laboratory:
  - 1. ASTM E 648 (Critical Radiant Flux) of 0.45 watts per sq. cm. or greater, Class 1.
  - 2. ASTM E 662 (Smoke Generation) Maximum Specified Optical Density of 450 or less.

5. Submittals

- A. Submit the following:
  - 1. Literature: Manufacturer's product data sheets, specifications, performance data, physical properties and installation instructions for each item furnished hereunder.
  - 2. Submit the manufacturer's certification that the resilient flooring has been tested by an independent laboratory and complies with the required fire tests.

3. Shop drawings: 1/4 inch scale plans of each flooring area scheduled for Work of this Section; indicate layout of tile units and direction of tile patterns, identify selected colors and patterns. Drawings shall bear dimensions of actual measurements taken at the project.
4. Selection samples:
  - a. Manufacturers' sample chain of colors and patterns available for selection by Architect.
5. Verification samples:
  - a. Full sized flooring tile, illustrating color, and pattern for each type of tile selected.
  - b. 12 inch lengths of stair treads, illustrating color.
  - c. Edging: 12 inches long demonstrating profile, thickness, size and color.

6. QUALITY ASSURANCE

- A. Manufacturer: Provide resilient flooring manufactured by a firm with a minimum of 10 years experience in the fabrication of resilient flooring of types equivalent to those specified.
  1. Manufacturer capable of providing field service representation.
- B. Installer's Qualifications: Installer experienced (minimum of 2 years) to perform work of this section who has specialized in the installation of work similar to that required for this project and who is acceptable to the product manufacturer.
- C. Materials: For each type of material required for the work of this Section, provide primary materials which are the products of one manufacturer. Provide secondary materials which are acceptable to the manufacturer of the primary materials. Comply with applicable regulations regarding VOC (volatile organic compound) content of adhesives.
- D. Color Matching: Provide resilient flooring products, including accessories, from one manufacturer to ensure color matching.

7. DELIVERY, STORAGE AND HANDLING

- A. Deliver resilient flooring materials in original, unopened packages and store protected for three days prior to installation in area of installation to achieve temperature stability.
- B. Store materials in a clean dry, enclosed space off the ground and protected from the weather. Protect adhesives from freezing.

8. ENVIRONMENTAL CONDITIONS

- C. Maintain uniform temperature of minimum of 65 degrees Fahrenheit and humidity of 20 to 40 percent 48 hours prior to, during, and 48 hours after installation. Store resilient flooring materials and accessories in the spaces where they will be installed for at least 48 hours before beginning installation. Thereafter, maintain a minimum temperature of 55 degrees Fahrenheit in the areas where the work is completed.

9. SEQUENCING AND SCHEDULING

- A. Coordinate the work of this Section with the respective trades responsible for installing interfacing work.
- D. Sequence work to ensure resilient flooring is not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated and work overhead is completed.
- E. Install flooring after interior wet work is dry.

10. WARRANTY

- A. Provide manufacturer's standard wear warranties for all flooring and stair tread materials installed under this Section.

## PART 2 - PRODUCTS

### 1. Manufacturers

- A. Acceptable Manufacturers: Subject to compliance with the requirements specified herein, manufacturers offering products which may be incorporated in the work include the following, or approved equal:
1. Endura Rubber Flooring, Waltham MA.
  2. Freudenberg Building Systems Inc., Lawrence MA.
  3. Roppe Corporation, Fostoria OH.

### 2. RUBBER STAIR TREADS/RISERS AND LANDINGS

- A. Floor and stair treads: One piece nosing-tread-riser combination, Equal to Norament 825 C, Article 463/479/468/469, hammered surface design, 5.0 mm (0.20 inches) overall thickness.
1. Material: Synthetic rubber free from reground rubber, natural rubber or coarse fillers.
  2. Back of Tile: Smooth, double-sanded back.
  3. Wear Warranty: 5 years.
  4. Slip Resistance: Static coefficient of friction (James Test), ASTM D 2047, equal to or greater than 0.6, ADA guidelines compliance.
  5. Color: As selected.
- B. Landings: Tile matching stair treads.

### 3. Smooth Surface RUBBER SHEET FLOORING

- A. Sheet rubber flooring: Smooth surface synthetic rubber flooring, 2.0 mm (0.08 inches) overall thickness.
1. Acceptable Products, or approved equal:
    - a. Freudenberg Building Systems Inc., Lawrence MA.; product "Noraplan Stone", Article 149. Sheet size: nominal 49.2 feet by 48 inches (15 m by 1.22 m).
  2. Material: Synthetic rubber free from reground rubber, natural rubber or coarse fillers.
  3. Wear Warranty: 5 years.
  4. Abrasion Resistance: Taber abrasion test, ASTM C501, H-18 wheel, 500 gram load, 1000 cycles, gram weight loss not greater than the following: 0.70.
  5. Hardness: ASTM D 2240, Shore A, not less than 85.
  6. Slip Resistance: Static coefficient of friction (James Test), ASTM D 2047, equal to or greater than 0.6, ADA guidelines compliance.
  7. Flammability: ASTM E 648 or NFPA 253, result to be not less than 0.45 watts per square centimeter, Class 1.
  8. Smoke Density: ASTM E 662, NFPA 258, NBS smoke density, less than 450.
  9. Burn Resistance: Cigarette and solder burn resistance.
  10. Halogen-Free: Products shall contain no halogens.
  11. Asbestos-Free: Products shall contain no asbestos.
  12. Color: Solid color selected by Architect from manufacturer's full range of colors.

### 4. RUBBER BASE

- A. Rubber Bases: synthetic rubber straight base, nominally 4 inches high and 0.11 inch thick; equal to Freudenberg Building Systems Inc., Lawrence MA, product "Nora - S1026U". Colors shall be as selected by the Architect from manufacturer's full library of colors available.
1. Base accessories: Premolded end stops of same material, size and color as base. Job-form all external and internal corners from base material, pre-molded corner pieces will not be acceptable.

5. ACCESSORIES

- A. Filler for patching, smoothing and leveling subfloors and underlayments: Portland cement-based latex underlayment acceptable to flooring manufacturer, equal to the following:
  - 1. Ardex, Inc., products “Feather Flash” and “Ardex SD-P”.
  - 2. Quikrete Companies, product “Fast-Set Underlayment 1248”.
  - 3. Silpro Masonry Systems Inc., product “Profinish”.
- B. Adhesive for rubber stair treads and landings: 2-part epoxy adhesive, equal to Henry product “191 - Epoxy Adhesive”.
- C. Transition strips: Homogeneous vinyl, of profiles required for thickness of abutting materials, in colors as selected by the Architect.
- D. Cleaning material: Domestic floor detergent, as recommended by the flooring manufacturer.
- E. Provide transition/reducing strips, tapered to meet abutting materials.
- F. Provide threshold of thickness and width as shown on the drawings.
- G. Provide resilient edge strips of width shown on the drawings, of equal gauge to the flooring, rubber composition, tapered or bull nose edge, with color to match or contrast with the flooring, or as selected by the Architect from standard colors available.

PART 3 - EXECUTION

1. EXAMINATION

- A. Inspect all surfaces and verify that they are in proper condition to receive the work of this Section.
  - 1. Substrates shall be dry and clean.
  - 2. Substrates shall be free of depressions, raised areas, or other defects which would telegraph through installed flooring.
  - 3. Temperature of resilient flooring and substrate shall be within specified tolerances.
- B. Insure that concrete substrate is dry having a maximum moisture content of 2.5 percent by weight. Perform moisture test in several locations using carbide method dampness meter.
- C. Beginning of installation means acceptance of existing substrate and site conditions.

2. PREPARATION

- A. General: Comply with flooring manufacturer's requirements for preparation of substrate to receive resilient flooring.
- B. Remove, by light sanding and grinding, all protruding edges, high spots. Ensure that substrate is free from paint, varnish, wax, oil, or other foreign matter.
- C. Fill minor or local low spots, cracks, joints, holes, and other defects with subfloor filler. Apply, trowel and float finish subfloor filler and leave a smooth, level, hard surface. Prohibit traffic from area until filler is cured.
- D. Vacuum clean substrate, and ensure that substrate is dry, clean and smooth prior to application of flooring.
- E. Apply primers as recommended by adhesive manufacturer's written instructions.
- F. Condition flooring materials, accessories and adhesives to room temperatures for a period of 48 hours minimum.

### 3. INSTALLATION - GENERAL

- A. General: Install all products in strict accordance with each manufacturer's written installation procedures and other provisions specified herein.
- B. Install resilient flooring and accessories after the other finishing operations, including painting, have been completed. Close spaces to traffic during the installation of the flooring. Do not install resilient flooring over concrete slabs until they have been cured and are sufficiently dry to achieve a bond with the adhesive, in accordance with the manufacturer's recommended bond and moisture test.
- C. Spread only enough adhesive to permit installation of materials before initial set.

### 4. INSTALLATION - FLOOR TILE

- A. Lay flooring in a square grid pattern, with joints and seams parallel to building lines. Lay tile with joints straight and continuous in both directions and with border tile not less than 1/2 the width of the tile.
- B. Neatly fit resilient materials to all intersecting surfaces, and make joints as inconspicuous as possible.
- C. Terminate flooring at centerline of door in closed position.
- D. Apply resilient materials to have uniform contact with receiving surfaces throughout, with tight joints, and with all finish surfaces smooth, in true plane, free from buckles, waves, and other imperfections.
- E. Fit resilient flooring around pipes and other protrusions, making neat cuts in the flooring and minimizing joints.
- F. Install reducer strips at exposed edges.

### 5. INSTALLATION - SHEET FLOORING

- A. Install sheet flooring using conventional full-spread method. Application shall be performed by factory trained mechanics franchised by the manufacturer in accordance with the manufacturer's instructions, and using tools and techniques recommended by the flooring manufacturer.
  - 1. Cut sheet material into required lengths and sizes. Layout and cut to achieve minimum number of seams and for pattern match between abutting edges. Lay resilient flooring with arrows in the same direction.
  - 2. Layout resilient flooring to provide equal size at perimeter. Adjust layout as necessary to eliminate resilient flooring which is cut to less than half full width.
  - 3. Lay cut sheets flat and allow to come to room temperature prior to installation. Seams in corridors shall run perpendicular to corridor.
  - 4. Lay sheet flooring so as to ensure full uniform contact with substrate and to produce finished surfaces which are smooth, even and in true planes, free of buckles, waves, and other imperfections.
  - 5. Install the sheets and roll the floor surface to work wrinkles and air pockets out past the outer edges.
  - 6. Fit the sheet flooring neatly and tightly into breaks and recesses, against bases, around pipes and penetrations, under saddles and thresholds, and around permanent cabinets and equipment.
  - 7. Do not install resilient flooring over building expansion joints.
- B. Seams: Rout seams and heat weld together with coordinated colored heat welding rod in accordance with resilient flooring manufacturer's recommendations.
- C. Reducer Strips: Install reducer strips wherever new sheet flooring terminates at carpeting and elsewhere as required to terminate flooring.



6. Installation of Treads and Risers
- A. Begin installation at bottom step and continue upwards towards each landing. Cut riser part of the step-tread to fit to the riser of the step below. Trim even with the edge of the riser.
  - B. Cut and dry fit treads and risers before installation.
  - C. Apply contact adhesive to the substrate and back of the step-tread. Permit contact adhesive to dry to touch.
    - 1. Apply adhesives to steps and risers.
  - D. Install tread-riser combination units as recommended by manufacturer using manufacturers removable slip sheet or wax paper to locate step tread before adhering in place.
    - 1. Fit nosing material tight to the nosing of the stair.
  - E. Use roller or stair tool to press stair materials into place. Remove excess adhesive.
  - F. After installation check adhesive bond to treads and risers.
7. INSTALLATION OF ACCESSORIES
- A. Resilient edge and transition strips:
    - 1. Install edge strips at all edges of flooring which would otherwise be exposed.
    - 2. Place resilient edge strips tightly butted to flooring and secure with adhesive recommended by the edge strip manufacturer.
8. PROTECTION
- A. Prohibit all traffic on finished floor areas for a minimum period of 12 hours.
  - B. Protect finished floor areas from sun and moisture and construction traffic for a minimum period of 2 calendar days after installation.
  - C. Prohibit washing, scrubbing or other similar 'wet' operations to occur on finished floor areas for a minimum period of 5 calendar days after installation.
  - D. Provide protection of completed flooring areas from construction traffic until Substantial Completion of the General Contract. Cover the all resilient floor surfaces with heavyweight kraft paper and overlay with red-rosin paper, taping the edges to maintain position of the protection paper. Reapply papers as required to maintain floor protection.
9. CLEANING
- A. As installation progresses, continually remove excess adhesive from floor, base and wall surfaces without damage.
    - 1. Protect installed flooring as recommended by the flooring manufacturer against damage from rolling loads, other trades, or the placement of fixtures and furnishings.
  - B. Sweep floors to remove all loose dirt and debris.
  - C. Not sooner than five days after installation, clean all materials installed hereunder with a non-abrasive commercial detergent approved by the material manufacturers, and thoroughly rinse with clear water.
  - D. After cleaning and polishing, ensure that the flooring is be protected with heavy kraft paper.

End of Section

## Section 09910

### PAINTING

#### PART 1 - GENERAL

##### 1. GENERAL PROVISIONS

The BIDDING REQUIREMENTS, CONTRACT FORMS, and CONTRACT CONDITIONS as listed in the Table of Contents, and applicable parts of Division 1 - GENERAL REQUIREMENTS, shall be included in and made a part of this Section.

##### 2. Section Includes

- A. Summary: This Section consists of painting work where shown on the Drawings, as specified herein, and as required for a complete and proper installation. Painting work includes, but is not limited to the surface preparation and application of coated finishes, and subsequent touch-up, of interior and exterior items and surfaces as indicated on the Contract Drawings and as scheduled herein.
  - 1. No attempt is made in this Section to list all surfaces, fixtures and equipment requiring painting on this project. It is the responsibility of the Subcontractor to determine for itself the scope and nature of the Work required for a complete installation from the information provided herein and in the Drawings.
- B. Surfaces and Materials: In general, without limiting the generality thereof, the following surfaces, fixtures and equipment require a painted finish:
  - 1. Gypsum board ceilings and soffits.
  - 2. Metal doors and frames.
- C. DO NOT PAINT the following surfaces and materials.
  - 1. Factory finished materials, specialties, and accessories unless otherwise specified.
  - 2. Prefinished millwork items.
  - 3. Fire resistant testing and certification labels, code required labels, safety warning labels, performance rating plates, nomenclature plates, identification plates, and similar other labels.

##### 3. Related Sections

- A. Section 09250 - GYPSUM BOARD: Drywall Ceilings and soffits, including joint treatment and sanding.

##### 4. References

- A. Comply with applicable requirements of the following standards and those others referenced in this Section, under the provisions of Section 01420 - REFERENCES. Where these standards conflict with other specified requirements, the most restrictive requirements shall govern.
  - 1. ANSI/ASTM D 16 - Definitions of Terms Relating to Paint, Varnish, Lacquer, and Related Products.
  - 2. ASTM D 2016 - Test Method for Moisture Content of Wood.
  - 3. All applicable federal, state and municipal codes, laws and regulations for flammability and smoke generation of interior finishes.

##### 5. DEFINITIONS

- A. "Paint" includes coating systems materials, primers, emulsions, enamels, stains, sealers and fillers, and other applied materials specified herein, whether used as prime, intermediate or finish coats.

6. Submittals

A. Submit the following:

1. Literature: Manufacturer's product data sheets, specifications, performance data, physical properties, material compositions, and application instructions for all finishing products to be applied hereunder.
  - a. Include certification of data indicating Volatile Organic Compound (VOC) content of all paint materials.
2. Samples:
  - a. Manufacturer's color selector for custom mixed colors for Architect's color scheduling.
  - b. Opaque coatings: Two 9 x 12 inch finished samples on hardboard of each color scheduled in each finish for review and approval. Identify boards with finish type, color mix number and scheduled substrate surfaces or materials.

B. Submit the following:

1. Color chips: After final approval of all colors and tints by the Architect, submit to the Owner, color chips of all coatings used, with manufacturer's name and mix designation of the coating for the purpose of future re-ordering of coatings. Color chips shall be at least six (6) square inches in size, for each color and tint.

6. QUALITY ASSURANCE

- A. Applicator: Company specializing in commercial painting and finishing with 3 years minimum documented experience.
- B. Single source responsibility: Provide primers and other undercoat paint produced by same manufacturer as finish coats. Use only thinners approved by paint manufacturer, and use only within recommended limits.

7. FIELD SAMPLES

- A. Provide field samples L for purpose of verifying selected colors.
- B. Paint on-site sample areas, minimum 4 square feet, illustrating selected color, and tint.
- C. Locate samples where directed. The Contractor shall provide in the base Contract, a total amount of samples equal to one sample per room.
- D. Accepted samples may remain as part of the work.

8. DELIVERY, STORAGE AND HANDLING

- A. Deliver products to site in sealed and labeled containers; container labeling shall include manufacturer's name, type of paint, color mix designation, expected coverage, surface preparation instructions, instructions for mixing and reducing, drying time, and clean-up recommendations.
- B. Store materials, conforming with applicable codes and fire regulations, in designated spaces. Keep storage area secure when direct access is not required or when not performing work under this Section. Take precautionary measures to prevent fire hazards and spontaneous combustion, maintain a dry-chemical type fire extinguisher in all areas where materials of this Section are being stored or used.
- C. Store paint materials in a well ventilated area at minimum ambient temperature of 45 degrees Fahrenheit and a maximum of 90 degrees Fahrenheit.
- D. Do not use the sanitary system for mixing or disposal of refuse material. Carry water to mixing rooms and dump waste material in a suitable refuse receptacle. Remove oily rags and waste each day.

9. PROJECT CONDITIONS

- A. Provide continuous ventilation and heating facilities to maintain surface and ambient temperatures above 45 degrees Fahrenheit for 24 hours before, during and 48 hours after application of finishes, unless required otherwise by manufacturer's instructions.
- B. Apply paints and finishes above minimum temperature conditions in strict accordance with manufacturer's instructions.

10. SEQUENCING AND SCHEDULING

- A. The applicator of work specified herein is responsible to ensure that all paints, enamels, and coatings, proposed to be applied hereunder, are compatible with coatings used for shop-primed items and items which have been prime-coated under the work of other trades.
- B. Immediately notify the Architect in writing of conditions which may require a change in the specifications of this Section before proceeding with the work. Failure to do so, in a timely fashion, so as not to interfere with the schedule of work of this Contract, shall be construed as acceptance of the coatings specified. Perform all corrective measures, at no cost to the Owner, for any defects in the work, resulting from the use of such materials.
- C. Painting work should be scheduled so as to minimize touch-ups. Interior painting is to be without flashmarks. Should flashmarks occur due to touch-ups, the Contractor shall be required to redo the entire surrounding wall surface.

PART 2 - PRODUCTS

1. MANUFACTURERS

- A. Acceptable Manufacturers: Subject to compliance with the requirements specified herein, manufacturers offering products which may be incorporated in the work include the following, or approved equal:
  - 1. Paints and general finishes:
    - a. Benjamin Moore & Company, Montvale, NJ.
    - b. Pittsburgh Paints / PPG Industries, Inc., Pittsburgh PA.
    - c. Pratt & Lambert Inc., Buffalo, NY.
    - d. Sherwin Williams, Cleveland OH.
  - 2. Interior stains and clear finishes for wood
    - a. Samuel Cabot, Inc., Boston MA.
    - b. PPG Architectural Finishes Inc., Olympic Home Care Products Division, Pittsburgh PA.
  - 3. Exterior stains for wood
    - a. Samuel Cabot, Inc., Boston MA.
    - b. PPG Architectural Finishes Inc., Olympic Home Care Products Division, Pittsburgh PA.
    - c. Osmose Wood Preserving, Inc., Griffin GA.
  - 4. Caulking
    - a. Pecora Corporation, Harleysville PA.; product "AC-20+".
    - b. Sonneborn Building Products Inc., Minneapolis MN.; product, "Sonolac".
    - c. Tremco, Beachwood OH.; product, "Trimflex 834".

2. MATERIALS

- A. Coatings: Ready mixed, except for field catalyzed coatings with good flow and brushing properties; capable of drying or curing free of streaks or sags. Color pigments shall be processed to a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating. Provide best quality grade, where manufacturer makes more than one grade of any material specified.

3. ACCESSORIES

A. Cleaning Materials:

1. Tri-Sodium Phosphate (TSP) substitute products:

- a. Savogran, Norwood MA, products "TSP-PF", or "Liquid TSP Substitute".
- b. Custom Building Products, Seal Beach, CA., product "Custom T.S.P. Substitute".
- c. DAP Inc., Baltimore MD., product "T.S.P. Substitute Heavy Duty Cleaner".

PART 3 - EXECUTION

1. EXAMINATION

- A. Inspect all surfaces and verify that they are in proper condition to receive the work of this Section. Notify Contractor of any condition that may potentially affect proper application of coatings.
- B. Measure moisture content of surfaces, do not apply finishes unless moisture content of surfaces are below the following maximums:
  1. Gypsum board and joint treatment: 12 percent.
  2. Interior wood: 15 percent.
- C. Beginning Work of this Section means acceptance of substrate surfaces and site conditions.

2. PREPARATION

- A. Furnish and lay suitable drop cloths in all areas where coating work is being done to protect floors and all other surfaces from damage during the work. Protect adjoining surfaces with painters mask tape.
- B. Prior to preparing surfaces or finishing, remove all finish hardware for painting doors and frames, except hinges and locks on exterior door; remove electrical plates, light fixture trim and fittings. Re-install hardware and other removed items after painted surfaces are thoroughly dry.
- C. Mix coatings thoroughly, unless otherwise directed by the manufacturer of the specific coating used, to ensure uniformity of color and mass. Strain previously opened coatings to remove skins, lumps, and other foreign matter prior to painting.
- D. Thin or reduce materials only as recommended by the specific material manufacturer, and only with the approval of the Architect.
- E. Impervious surfaces: Remove mildew by scrubbing with solution of tri-sodium phosphate and bleach. Rinse with clean water and allow surface to thoroughly dry.
- F. Shop primed steel surfaces:
  1. Remove rust, blistered and defective shop prime paint, and all foreign materials, down to bright metal by wire brushing, scraping, sanding, or commercial paint remover. Feather edges to make touch-up patches inconspicuous.
  2. Remove all grease or dirt with mineral spirits.
  3. Spot prime bare metal with alkyd base metal primer product of the finish coating manufacturer. Seal top and bottom edges of metals doors with primer.
- G. Interior wood items scheduled to receive paint finish.
  1. Smooth minor defects and remove all foreign matter by sanding, and if necessary, steel wool.
  2. Wash sap spots and knots with mineral spirits. When dry, touch up knots, pitch streaks, and sappy sections with commercial stain sealer.
  3. Fill up nail holes and cracks with wood putty or plastic wood after primer of first coat of finish is dry, and sand smooth.

- H. Gypsum board surfaces: Fill minor defects with latex based spackle. Spot-seal all compound surfaces and repair areas in gypsum board, with specified first coat material before application of the first coat.
- I. Plaster surfaces:
  - 1. Fill minor defects with joint compound or spackle and seal with alkyd primer.

### 3. APPLICATION

- A. Apply all materials in strict accordance with the approved manufacturer's printed instruction, and in accordance with the best trade practices. Each coat shall be reviewed and approved by the Architect before succeeding coats are applied.
- B. Do not apply successive coating until the preceding coat is thoroughly dry, and in no case in less than 24 hours after the preceding coat.
- C. Apply each coat to a uniform finish; Apply primer and first coat of slightly lighter in color tint than the scheduled color of the final coat.
- D. Sand lightly between coats to achieve required finish and remove sanding dust prior to applying succeeding coat.
- E. Where clear finishes are required, tint fillers to match wood. Work fillers into the grain before set. Wipe excess from surface.

### 4. CLEANING

- A. Upon completion of the work in each area, remove all coating splatters from glass, prefinished surfaces, bright metals, and from other surfaces that have not been painted or finished hereunder. Do not use abrasive paper or abrasive cleaner on any prefinished surface or bright metal. Remove all materials and debris; leave work area in a clean condition.

### 5. PROTECTION AND TOUCH-UP

- A. During painting work, protect the work of other trades against undue soilage and damage by the exercise of reasonable care and precautions. Properly clean, repair or replace any work so damaged and soiled.
- B. Protect all painted and finished surfaces against damage until the date of final acceptance of the work. The Architect will conduct a final review of all work performed hereunder. Re-coat or touch-up, all scratches and other blemishes on surfaces, and as directed by the Architect, any areas found which do not comply with the requirements of this Section, and bear all costs therefor.
- C. Any re-coating or touch-up work, required after the work of this Section has been reviewed and accepted by the Architect, will be paid for by the Contractor.

### 6. PAINTING SCHEDULE

- A. General: Number of coats scheduled herein below is minimum required, refer to Article entitled "APPLICATION" regarding coverage.
- B. Colors: The Architect will furnish a schedule of colors for each area and surface. Tinting and matching shall be to the satisfaction of the Architect. No limit is placed on the number of colors that may be required, or the number of colors in any one room, area, or surface. Premium paints of deep-hued, bright, pigment intensive, accent and primary colors may be scheduled for up to 25 percent of all interior and exterior surfaces without additional cost to the Owner.

## **PAINTING SCHEDULE FOR interior surfaces and materials**

- A. Interior GYPSUM BOARD (drywall) ceilings, and underside of soffits:
  - 1. One coat latex primer.
    - a. California: “xxx”, N°.
    - b. ICI-Dulux: Ultra Hide N°. 1030-1200 Primer/Sealer.
    - c. Moore: “Regal First Coat,” N°. 216.
    - d. Pittsburgh: “Speedhide Interior Quick Drying Latex Sealer”, 6-2 Series
    - e. Pratt & Lambert: “ProHide Gold PVA Primer” N°. Z8160.
    - f. Sherwin-Williams: "ProMar 200 Interior Latex Primer", B28 W200
  - 2. Two coats latex flat paint:
    - a. ICI-Dulux: Ultra Wall N°. 1230xxxx Latex Flat Wall Paint.
    - b. Moore: “SuperHide Moorecraft Flat” N°. 282.
    - c. Pittsburgh: “Speedhide Latex Interior Flat Wall Paint”, 6-70 Series
    - d. Pratt & Lambert: “Skylight,” N°s. Z1250/Z1252.
    - e. Sherwin-Williams: "ProMar 400 Int. Latex Flat Wall Paint" Series.
- B. Interior METAL DOORS & FRAMES, to receive semi-gloss finish:
  - 1. One coat of rust prohibitive primer for unfinished metal surfaces, and touch up bare metal at shop primed, existing and previously coated surfaces:
    - a. ICI-Dulux: Devflex N°. 4020xxxx DTM Flat WB Primer/Finish.
    - b. Moore: “DTM Primer” N°. M29
    - c. Pittsburgh: “Pitt-Tech DTM Primer/Finish 100% Acrylic”, 90-709/712 Series
    - d. Pratt & Lambert: “TechGard Acrylic Metal Primer ” N°. Z190.
    - e. Sherwin-Williams: "DTM Acrylic Primer Finish" N°. B66 W1.
  - 2. Two coats acrylic semi-gloss enamel:
    - a. ICI-Dulux: Ultra N°. 1406xxxx High Lustre.
    - b. Moore: no equivalent
    - c. Pittsburgh: “Manor Hall Interior Semi-Gloss Latex Enamel”, 87 Series
    - d. Pratt & Lambert: “Accolade Interior Semi-Gloss”, N°. Z/F 4100
    - e. Sherwin-Williams: “ProClassic Waterborne”, N°. B31W20

End of Section



## POLICE FINGERPRINT STATION PROJECT

### SHEET NO: G-1 GENERAL NOTES

#### Project Location:

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Wellesley Police Station  
485 Washington Street  
Wellesley, Massachusetts, 02481

**Schedule and Work Hours:** **IMPORTANT NOTE: Demolition and other repair work expected to produce excessive noise must be scheduled and completed between 12:00 a.m. and 7:00 a.m.** Normal work hours are Monday to Friday, 7:00 am to 3:30 pm. Work shall be substantially complete by March 31, 2015. Final completion required by April 7, 2015.

**Contacts:** The Town's Project Manager is Joseph Murray, 40 Kingsbury Street, Wellesley, MA 02481. Telephone (781) 446-6210 X 5632, Fax to (781) 446-6207, E-mail [jmurray@wellesleyma.gov](mailto:jmurray@wellesleyma.gov). Contact Police Station Custodian Paul McDonald, Telephone (781) 292-0998, E-mail [pmcdonald@wellesleyma.gov](mailto:pmcdonald@wellesleyma.gov) for coordination of work and access.

**Scope of Work:** The scope of work shall include modifications of an existing stairway including installation of a door, selective demolition, structural repairs and other related work at the Wellesley Police Station.

**Security:** Because the work is to be performed in a working police station, WPD security requirements shall take precedence at all times, and the contractor shall adjust his schedule as necessary.

**Prevailing Wage Rates and Certified Payroll:** Work subject to State prevailing wage rates. Submit certified payroll along with payment requisitions.

**Codes, Regulations and Standards:** All work shall be in accordance with the latest edition of the Massachusetts State Building Code and in accordance with local building regulations.

**Submittals:** Submit product literature for review, including flooring and paint samples. Submit structural repair shop drawing.

**On-Site Verification:** Verify in field (VIF) all existing conditions and dimensions prior to submitting a bid. Notify the Town immediately if changed conditions are identified.

**Punch List:** The Owner will perform final inspections. One list with incomplete items or items that require correction will be furnished at that time.

**Closeout:** Submit all warranties, extra materials and record submittals.





